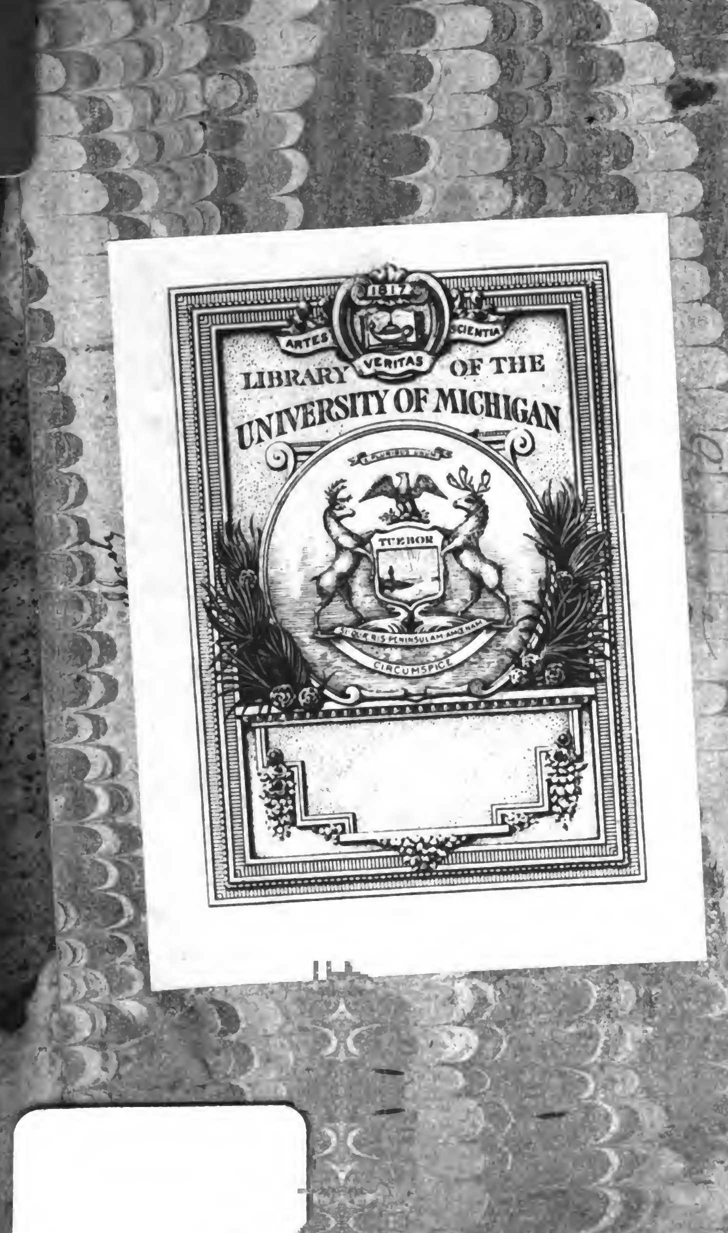
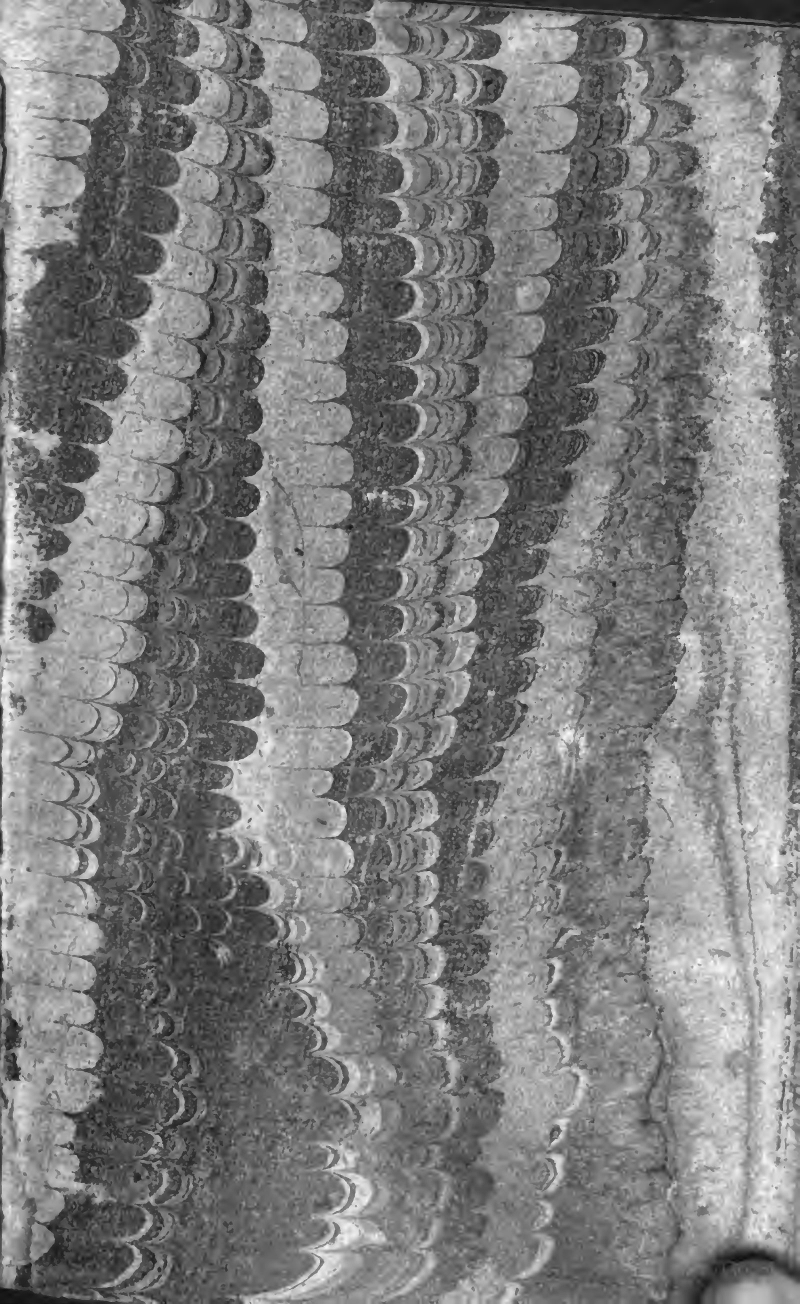



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Hoefft pinx.

Zu der

Trigonometrie

und

Ausziehung der Wurtzeln

nöthige



Tafeln,

Darinnen

Die Sinus und Tangentes für

jede Minute des Quadrantens,

Nebst

Ihren Logarithmis und den

Logarithmis der gemeinen Zahlen

von 1. bis 10000.

wie auch

die Quadrat- und Cubic-Zahlen

von 1. bis 1000. enthalten sind.

Nebenst einer allgemeinen Regel,

alle geradelinichte und sphärische Triangel

aufzulösen.

Herausgegeben von

Christian Freyherrn von Wolff,

Seiner Königl. Majest. in Preussen Geheimen Rathe und Cantzler der Universität Halle, wie auch Professore Juris Naturæ & Gentium ac Matheseos daselbst, Professore honorario zu St. Petersburg, der Königl. Academie der Wissenschaften zu Paris, wie auch der Königl. Groß-Brittannischen und der Königl. Preuß. Societät der Wissenschaften Mitgliede.

Halle im Magdeburgischen,

Zu finden in der Rengerischen Buchhandlung.

1755.



Vorrede.

Auf die Trigonometrie ist man durch die Astronomie gebracht worden. Denn als sich einige scharfsinnige Männer, welche die Natur mit grossem Verstande und hoher Tugend für andern begabet, auf die Betrachtung des Himmels geleget; haben sie bald wahrgenommen, daß ohne Auflösung der Triangel in der Astronomie nichts gründliches zu erforschen sey. Daher hat Hipparchus, der sich so wohl um die Astronomie verdienet gemacht, daß ihn nicht allein die Alten bis in den Himmel erhoben, sondern auch die späte Nachwelt ohne Aufhören rühmen wird,

so lange man Wahrheit und Tugend etwas gelten lässet, die Lehre von den Sehnen im Circul, wie uns Theon dessen berichtet, in zwölf Büchern abgehandelt, daraus Ptolemæus in das erste Buch seines Almagesti so viel gebracht, als er die übrigen zu verstehen nöthig erachtet. Nemlich die Alten schlossen von den Winckeln auf die Seiten, vermöge der Sehnen der Circul-Bogen, und theileten, wie aus des Ptolemæi Almagesto zu ersehen, den halben Diameter des Circuls in 60. gleiche Theile oder Grade, jeden Grad aber von neuem in seine 60. Minuten und Secunden. In solchen Theilen des halben Diameters hat Ptolemæus Tafeln über die Sehnen von halben zu halben Graden des Quadrantens ausgerechnet, welche Orontius Finæus, Mathematum Professor zu Paris im Anfange des sechzehenten Jahrhundertes, bis auf jede Minute eines jeden Grades erweitert. Allein schon lange vor ihm hatte Johannes Regiomontanus, ein um die Mathematick, absonderlich die Astronomie, hochverdienter Mann, zu Auflösung der Triangel viel bessere Tafeln verfertiget.

tiget. Denn als die Saracenen zuerst bedachten, daß die halben Sehnen eben die Verhältniß unter einander hätten, welche die gantze haben, und daher die Trigonometrische Rechnungen durch kleinere Zahlen erleichtert werden könnten; haben sie die Sinus in die Trigonometrie eingeführet, jedoch ihre Verhältniß gegen den halben Diameter mit dem Ptolemæo in sechzigtheiligen Brüchen ausgedrucket. Regiomontanus nun hat nach ihrem Exempel die Sinus den Sehnen vorgezogen, aber damit er die verdrüßliche sechzigtheiligen Brüche vermiede, dem halben Diameter 6000000 Theile gegeben. Ja da er nach der Zeit vermerckte, es würden die Tafeln noch bequemer seyn, wenn man den halben Diameter in 10000000 Theile theilete; so hat er sichs nicht verdrüssen lassen, von neuem andere Tafeln auszurechnen, darinnen der Sinus für jede Minute eines Grades in zehentheiligen Brüchen angesetzet wird. Eben dieser Regiomontanus hat noch eine andere Tafel verfertiget, die er Tabulam Fœcundam genennet, darinnen der Cosinus in solchen Theilen angesetzet wird, deren

 10000000.

10000000. einem jeden Sinui zukommen. Ja Georgius Joach. Rheticus hat auch den halben Diameter des Circuls *AC* (Fig. 1.) in solchen Theilen ausgerechnet, deren ein jeder Sinus *AD* oder *DC* 10000000. hat. Allein da auf solche Art die zur Trigonometrie gehörige Tafeln viel zu weitläuftig werden, wie aus dem Opere Palatino de Triangulis, welches Rheticus angefangen, Valentinus Otto vollendet, zur Gnüge erhellet; so lässet man sich mit den blossen Sinibus in solchen Theilen gerechnet, begnügen, deren der halbe Diameter 1000000. hat, ausser daß man die Rechnung in einigen Fällen zu erleichtern die Tangentes und zuweilen auch wohl die Secantes mit dazu nimmet. Maginus hat gar die Sinus versos mit hinzugesetzet. Rheticus hat diese Tafeln nur von zehen zu zehen Secunden; Pitiscus aber in seinem grossen Canone auf alle Secunden einer jeden Minute gerechnet. Sie haben aber eine gantz andere Gestalt gewonnen, da **Johann Neper**, ein Schottländischer Baron, A. 1614. die Logarithmos in die Trigonometrie eingeführet. Er hat aber

für

für den Logarithmum Sinus totius oder des halben Diameters o angenommen, so daß die Logarithmi immer abnehmen, indem die Sinus zunehmen. Diese Tafeln, welche der sinnreiche Urheber derselben Canonem Mirificum genennet, hat **Benjamin** Ursinus bis von zehen zu zehen Secunden erweitert. Unerachtet aber **Neper** nicht ohne Ursache für den Logarithmum Sinus totius eine Nulle angenommen, damit nemlich in Auflösung der rechtwincklichten Triangel kein Addiren und Subtrahiren nöthig wäre, so ofte man den Sinum totum entweder addiren oder subtrahiren soll; so hat er doch selbst hernach wahrgenommen, daß die Logarithmi viel bequemer fallen würden, wenn der Logarithmus von 1. eine Nulle wäre und also die Logarithmi zunähmen, indem die Zahlen zunehmen. Dannenhero hat Henricus Briggius, Professor Geometriæ zu Oxfurt, einen neuen Canonem Logarithmorum für die gemeinen Zahlen von 1. bis 20000. und von 90000. bis 100000. verfertiget und mit seiner Arithmetica Logarithmica an. 1624. herausgegeben: welche bald darauf, nem-

lich an. 1628. Adrianus Vlacq von neuem wieder aufgeleget und die Logarithmos von 20000. bis 90000. vor sich dazu gethan. Zwar hatte Briggius auch für die Sinus und Tangentes auf alle hundert Theile eines Grades die neuen Logarithmos gerechnet, welche Henricus Gellibrand in der Trigonometria Britannica an. 1633. nach seinem Tode publiciret, allein weil die zehentheiligen Brüche der Grade von den Mathematicis noch nicht angenommen worden, so hat Vlacq die Logarithmos nach der neueren Art von zehen zu zehen Secunden in eben demselben Jahre herausgegeben. Für jede Secunden hat mit grosser Mühe der seel. Herr von Löser, der nicht weniger wegen seiner grossen Gelahrheit, als seines alten und vornehmen Geschlechtes wegen bekannt ist, dieselben gerechnet; allein der frühzeitige Todt hat es gehindert, daß er das Werck nicht völlig zu Stande gebracht. Solte sich aber jemand finden, der es an das Tagelicht bringen wollte: so würden die Hochadelichen Erben dieses nützliche Werck der gelehrten Welt nicht mißgönnen. Ich habe nach gewöhnlicher Art Vlacqs Tafeln

feln auf die Minuten reduciret und die drey letzten Zahlen zur Rechten weggelassen, dergestalt, daß ich die letzte Zahl um 1. vermehret, wenn über 550. weggeworfen worden. Und nach den grossen Tafeln des Vlacqs habe ich die Logarithmos Sinuum und Tangentium corrigiret; nach diesem aber selbige gegen gar viele Auflagen gehalten, damit ich so wohl durch Hülfe der Logarithmischen Differentien, so bey dem Vlacq stehen, als nach der von ihm in der Vorrede vorgeschriebenen Methode finden möchte, in welcher Auflage der Fehler steckte. Die Logarithmos für die gemeine Zahlen habe ich aus des Briggii Arithmetica Logarithmica genommen und sie wie die vorigen um einige Zahlen verkleinert. Im Corrigiren habe ich eben den Fleiß, wie in den vorigen angewendet. Die Logarithmos habe ich von ihren zugehörigen Sinibus und Tangentibus abgesondert, damit die Cosinus und Cotangentes auf einer Seite stünden und daher der Cosinus mit dem Sinu gleich in die Augen fiele, folgends im Aufsuchen nicht der geringste Verdruß übrig bliebe. Man

könte zwar in der Trigonometrie die Sinus und Tangentes gar entrathen und mit den Logarithmis allein vergnüget seyn: jedoch weil sie in andern Fällen nützlich sind, ich auch in meinen Anfangs-Gründen mich hin und wieder auf dieselben berufen, so habe sie nicht gar weglassen wollen. Denn ich habe diese Tafeln zu dem Ende heraus gegeben, damit sie denen Anfangs-Gründen der Mathematischen Wissenschaften beygefüget werden könten, in welchen sie gar viel gebraucht werden. Derowegen habe ich auch die Tafel der Quadrat- und Cubic-Zahlen mit hinzugesetzt, damit sie so wohl zur Zusammensetzung, als zur Auflösung derselben dienen möchten, welches in vielen Orten der Anfangs-Gründe erfordert wird. Endlich weil die Anfänger wegen der vielen Regeln für der Trigonometrie, sonderlich der Sphärischen, einen Abscheu haben; so gebe ich hier ihnen eine einige Regel, dadurch sie nebst einigen wenigen Anmerckungen für einige besondere Fälle alle Aufgaben beyder Trigonometrie auf einerley Art auflösen können, also daß nunmehro klar ist, es brauche nicht mehr Mühe

die

die Sphärischen, als die geradelinichten Triangel aufzulösen. Es hat längst **Neper** bey seinem Canone mirifico eine allgemeine Regel alle Sphärische Triangel aufzulösen gegeben: Allein ich weiß nicht, wie sie, absonderlich in unsern Landen, so gar ins Vergessen kommen. Der Herr Professor Krüger in Bremen hat (welches ich hier mit Danck rühme) mir den ersten Winck davon gegeben. Ehe mir aber des **Nepers** Canon mirificus und des Norwoods Trigonometrie or the doctrine of triangles, darinnen er dieselbe Regel umständlicher erkläret und erwiesen hat, zu Händen kam; habe ich mich selbst eine dergleichen Regel zu suchen bemühet und auf die Art und Weise, die ich in meinen Elementis Matheseos zeige, eine gefunden, die wenig von der Neperischen unterschieden ist. Als ich aber ferner nachdachte, ob nicht eine Gleichheit zwischen der Auflösung der geradelinichten und der Sphärischen Triangel zu finden sey, habe ich nicht ohne sonderbares Vergnügen wahrgenommen, daß durch einerley Regel alle Aufgaben in beyder Trigonometrie aufgelöset werden

den

den können. Ich habe aber die Regel behalten, wie sie von mir gefunden worden; weil dadurch die Gleichheit zwischen beyden Trigonometrien besser als durch die Neperische erhellet. Wolte jemand sagen, ich hätte aus dieser Absicht die **Neperische** nur verändert; so werde ich mir es auch gefallen lassen, massen ich keinen andern Lohn vor meine Arbeit suche, als daß ich andern gedienet habe.



Gebrauch der Tafeln.

§. 1.

In der Trigonometrie findet man aus drey gegebenen Theilen eines Triangels, er mag recht-wincklicht, oder sphärisch seyn, die drey übrigen, indem man von den Sinibus und Tangentibus der Winckel auf die Seiten der geradelinichten, oder auf die Sinus und Tangentes der Seiten in den sphärischen schliesset. Daher hat man in Trigonometrischen Rechnungen die Tafeln der Sinuum und Tangentium nöthig.

§. 2.

Es ist aber des Winckels ACD Sinus AD die Helffte der Sehne AB, die dem Bogen AEB unterzogen wird, dessen Helffte AE das Maaß des Winckels ACD ist. Der Cosinus AG aber ist der Sinus des Winckels ACH, der mit dem vorigen ACE 90. Grad machet. Fig. 1.

§. 3.

Die Tangens des Winckels ACD ist die gerade Linie EF, so auf dem halben Diameter CE, damit das Maaß des Winckels beschrieben worden, perpendicular stehet und die Secantem FC in F erreichet. Die Cotangens aber ist die Tangens des Winckels ACH, der mit dem vorigen ACD 90. Grad machet.

§. 4.

Der halbe Diameter EC, dessen gedacht worden, heisset der Sinus totus, weil er der

gröste unter allen und die übrigen als seine Theile angesehen werden.

§. 5.

Nemlich in den Tafeln der Sinuum und Tangentium findet man, wie viel solcher Theile einem jeden derselben zugehören, dergleichen der Sinus totus 10000000 hat.

§. 6.

Da man nun alle Aufgaben bey der Trigonometrie durch die Sinus und Tangentes auflösen kan: so könte man mit den Tafeln derselben einig und allein zufrieden seyn. Allein da die Multiplication und Division durch grosse Zahlen sehr beschwehrlich ist, so sind die Logarithmischen Zahlen an ihre Stelle kommen, als welche das multipliciren in addiren; das dividiren in subtrahiren verkehren. Von ihrer Natur und Beschaffenheit habe ich in meinen Anfangs-Gründen geredet. Darinnen ich auch die Ausrechnung aller zur Trigonometrie gehörigen Tafeln abgehandelt.

§. 7.

Wenn wir aber in Trigonometrischen Rechnungen die Logarithmos Sinuum und Tangentium brauchen, so müssen auch die Seiten der geradelinichten Triangel durch Logarithmos ausgedrucket werden. Zu dem Ende ist die Tafel der Logarithmorum für gemeine Zahlen ausgerechnet worden.

§. 8.

Damit nun erhelle, wie durch die Logarithmischen Tafeln alle geradelinichte und sphärische

sche Triangel aufgelöset werden; so will ich zuerst von den rechtwincklichten, hernach von den schiefwincklichten mit wenigem reden.

§. 9.

In jedem rechtwincklichten Triangel sind über den rechten Winckel, auf den wir hier nicht sehen, fünf Theile, nemlich zwey schiefe Winckel A und C und drey Seiten AB, AC, BC. Von diesen werden in jedem Falle zwey gegeben, das dritte wird gesucht. Z. E. Es wird gegeben die Hypothenuse AC mit dem schiefen Winckel A, man soll die ihm entgegenstehende Seite BC suchen. Wenn man nun acht hat, wie diese Theile auf einander folgen; so wird man inne werden, daß eines von ihnen in der Mitten stehet, die übrigen beyde entweder an demselben anliegen, oder von ihm durch ein anderes Theil abgesondert sind. Z. E. In dem gegebenen Falle ist BC der mittlere Theil: von ihm wird AC durch den Winckel C; hingegen der Winckel A durch die Seite AB abgesondert, denn auf den rechten Winckel hat man, wie ich schon erinnert, hier nicht zu sehen. Hingegen wenn die beyden Seiten AB und BC gegeben werden, und man soll den Winckel A suchen; so ist die Seite AB der mittlere Theil und die übrigen A und BC liegen an demselben zu beyden Seiten. Die Theile zur Seiten wollen wir in dem ersten Falle **die Anliegenden**; in dem andern aber **die Abgesonderten** nennen.

Fig. 2. 3.

§. 10.

Die Anfänger haben sich nun vor allen Din-

)( )(2 gen

gen darinnen zu üben, daß sie die Theile der Triangel, so in Trigonometrischen Aufgaben vorkommen, solchergestalt von einander unterscheiden lernen; so wird es ihnen nicht schwer fallen alle Aufgaben bey der Trigonometrie von rechtwincklichten Triangeln durch diese allgemeine Regel aufzulösen,

> **Der** Sinus totus **mit dem** Cosinu **des mittleren Theiles ist gleich den** Sinibus **der abgesonderten und den** Cotangentibus **der anliegenden.**

wenn sie nur mercken, daß man in sphärischen Triangeln für die beyden Seiten AB und BC ihre Complemente zu 90. Graden oder dem Quadranten; in den geradelinichten aber vor die Sinus und Tangentes die Seiten selber annimmet.

§. 11.

Es sey z. E. gegeben die Hypothenuse AC mit dem anliegenden Winckel A, man soll die ihm entgegenstehende Seite BC finden. Da nun hier BC **der mittlere Theil** ist, hingegen AC und A zu beyden Seiten von ihm **abgesondert** sind, so ist nach der allgemeinen Regel, **der** Sinus totus **mit dem** Cosinu **des Complementes von** BC, **das ist, mit dem** Sinu **der Seite** BC, **den** Sinibus **der Hypothenuse** AC **und des schiefen Winckels** A **gleich.** Derowegen wenn es ein sphärischer Triangel ist, so wird von den Sinibus der Hypothenuse AC und des schiefen Winckels A der Sinus totus abgezogen, damit der Sinus der Seite BC übrig bleibet. Ist es aber ein rechtwincklichter Triangel, so wird von der Hypothenuse

nuse AC und dem Sinu des Winckels A der Sinus totus abgezogen, damit die Seite BC übrig bleibet.

§. 12.

Der Gebrauch der Regel wird überaus leichte, wenn sie in einem jeden vorkommenden Falle in eine Analytische Gleichung gebracht wird: denn so lehret der blosse Anblick derselben, was zu thun ist. Als in unserem Exempel ist

Sin. tot. † Sin. BC = Sin. AC † Sin. A. Derowegen damit man den Sinum artificialem, oder Logarithmum Sinus von BC bekomme; muß der Sinus totus von den Sinibus der Seite AC und des Winckels A abgezogen werden: welches der erste Anblick gleich zu erkennen giebet.

§. 13.

Durch eben diese Regel können alle schiefwincklichte Triangel (einen einigen Fall ausgenommen) aufgelöset werden, wenn man sie vermittelst des Perpendiculs DC in zwey rechtwincklichte resolviret. Jedoch da auf solche Art besonders in einigen Fällen die Rechnung ohne Noth weitläufftig würde: so sind noch folgende Anmerckungen zu behalten. Fig. 4. 5.

§. 14.

Es ist nemlich zu wissen, **daß in jedem sphärischen Triangel die** Sinus **der Seiten, in jedem geradelinichten die Seiten selber den** Sinibus **der ihnen entgegen stehenden Winckel gleich sind, das ist, wenn man sich der Logarithmischen Zahlen bedienet, der** Sinus **einer Seite AC mit dem** Sinu **des anliegenden**

Winckels A dem Sinui der andern Seite BC mit dem Sinu des bey ihr anliegenden Winckels B gleich sey. Durch diese Regel wird in jedem Triangel aus zwey gegebenen Seiten und den einer entgegen stehenden Winckel derjenige Winckel gefunden, welcher der anderen entgegen stehet, oder auch aus zwey Winckeln und der Seite, so einem gegen über stehet, die dem anderen entgegen gesetzte Seite.

§. 15.

Fig. 4. 5. 6. 7. In den übrigen Fällen wird der schiefwincklichte Triangel durch das Perpendicul DC in zwey rechtwincklichte resolviret und durch die allgemeine Regel das eine Stücke AC von der Grundlinie AB gesucht, welches entweder von ihr abgezogen, oder zu ihr addiret DB giebet. Worauf durch folgende Regel, welche aus der allgemeinen fliesset,

Der mittlere Theil in dem rechten Triangel mit dem zur Seiten im Lincken ist gleich dem mittleren Theile im Lincken mit dem zur Seiten im Rechten.

Es wird aber das Perpendicul DC für den anderen Theil zur Seite gehalten, welches man also nicht erst nöthig hat durch die allgemeine Regel, wie insgemein geschiehet, zu suchen. Es ist aber aus eben der allgemeinen Regel klar, ob man die Tangentes, oder die Sinus brauchen solle.

§. 16.

Fig. 4. Es wird z. E. im Triangel ACB der Winckel A mit den Seiten AC und AB gegeben, man soll den Winckel B finden. Da nun in dem bey D recht-

rechtwincklichten Triangel ACD der mittlere Theil A ist, die beyden Seiten aber AC und AD beyderseits *anliegen*; so ist vermöge der allgemeinen Regel der Sinus totus mit dem Cosinu des Winckels A gleich der Cotangenti von der Hypothenuse AC und der Cotangenti des Complementes, das ist, der Tangenti von der Seite AD. Dannenhero wird AD gefunden, wenn man von dem Sinu toto und dem Cosinu des Winckels A die Cotangentem der Hypothenuse AC abziehet. Subtrahiret man nun ferner das Stücke AD von der Grundlinie AB, so bleibet das andere Stücke DB übrig. Wenn man nun DC für den einen Theil zur Seite in beyden Triangeln annimmet, so ist im Lincken ACD die Seite AD der mittlere Theil, und der Winckel A lieget an ihm *an*; hingegen im rechten DCB ist DB der mittlere Theil und der Winckel B lieget abermal an ihm an. Derowegen muß man bey den Winckeln A und B die Cotangentes brauchen; solchergestalt ist (§. 15.) der Sinus des einen Stücks der Grundlinie AD mit der Cotangente des Winckels B dem Sinui des *andern* DB mit der Cotangente des Winckels A gleich. Damit nun der verlangte Winckel B gefunden werde, so muß man den Sinum des Stückes AD von dem Sinu des andern DB und der Cotangente des Winckels A abziehen.

§. 17.

Endlich aus drey gegebenen Seiten in einem schiefwincklichten Triangel wird der Winckel A gefun- Fig. 4.

gefunden, wenn man ihn wie vorhin vermittelst des Perpendiculs DC in zwey rechtwincklichte resolviret und hierauf inferiret: **Wie die Tangens der halben Grundlinie AB zur Tang. der halben Summe der beyden Seiten AC und CB; so verhält sich die Tangens von der halben Differentz selbiger Seiten zur Tangenti der halben Differentz beyder Stücke AD und BD.** Wenn nun die gefundene halbe Differentz von der halben Grundlinie AB abgezogen wird, so bleibet das kleine Stücke AD übrig. Addiret man sie aber dazu, so kommet das grosse Stücke DB heraus. Da nun in dem bey D rechtwincklichtem Triangel ACD die Seite AD mit der Hypothenuse AC bekandt ist; so kan man den verlangten Winckel A durch die allgemeine Regel finden. Es findet aber eben diese Regel bey den geradelinichten Triangeln statt, wenn man vor die Tangentes die Seiten selber annimmet.

§. 18.

Dieses ist der vornehmste Gebrauch der Logarithmischen Tafeln. Von anderem vielfältigen Nutzen würde zu weitläuftig seyn hier zu reden.

§. 19.

Endlich die Tafeln der Quadrat- und Cubic-Zahlen habe ich zu dem Ende vornemlich mit beydrucken lassen, daß sie in Ausziehung beyder Wurtzeln eine Erleichterung geben möchten: massen man durch dieselben durch den ersten Angriff bald drey Theile der Wurtzeln auf einmal finden kan.

CANON TRIANGULORUM,

CONTINENS

LOGARITHMOS

SINUUM

ET

TANGENTIUM

AD

SINGULA MINUTA PRIMA.

Minut.	0. Grad. Log. Sin.	0. Grad. Log. Tang.	Minut.	89. Grad. Log. Sin.	89. Grad. Log. Tang.
0	0	0	60	10.0000000	Infinit.
1	6.4637261	6.4637261	59	9.9999999	13.5362739
2	6.7647561	6.7647562	58	9.9999999	13.2352438
3	6.9408473	6.9408475	57	9.9999998	13.0591525
4	7.0657860	7.0657863	56	9.9999997	12.9342137
5	7.1626960	7.1626964	55	9.9999995	12.8373036
6	7.2418771	7.2418778	54	9.9999993	12.7581222
7	7.3088239	7.3088248	53	9.9999991	12.6911752
8	7.3668157	7.3668169	52	9.9999988	12.6331831
9	7.4179681	7.4179696	51	9.9999985	12.5820304
10	7.4637255	7.4637273	50	9.9999982	12.5362727
11	7.5051181	7.5051203	49	9.9999978	12.4948797
12	7.5429065	7.5429091	48	9.9999974	12.4570909
13	7.5776686	7.5776715	47	9.9999969	12.4223285
14	7.6098530	7.6098566	46	9.9999964	12.3901434
15	7.6398160	7.6398201	45	9.9999959	12.3601799
16	7.6678445	7.6678492	44	9.9999953	12.3321508
17	7.6941733	7.6941786	43	9.9999947	12.3058214
18	7.7189966	7.7190026	42	9.9999940	12.2809974
19	7.7424775	7.7424841	41	9.9999934	12.2575159
20	7.7647537	7.7647610	40	9.9999927	12.2352390
21	7.7859427	7.7859508	39	9.9999919	12.2140492
22	7.8061458	7.8061547	38	9.9999911	12.1938453
23	7.8254507	7.8254604	37	9.9999903	12.1745396
24	7.8439338	7.8439444	36	9.9999894	12.1560556
25	7.8616623	7.8616738	35	9.9999885	12.1383262
26	7.8786953	7.8787077	34	9.9999876	12.1212263
27	7.8950854	7.8950983	33	9.9999866	12.1049012
28	7.9108793	7.9108938	32	9.9999850	12.0891062
29	7.9261190	7.9261344	31	9.9999845	12.0738656
30	7.9408419	7.9408584	30	9.9999835	12.0591416

Minut.	0. Grad. Log. Sin.	0. Grad. Log. Tang.	Minut.	89. Grad. Log. Sin.	89. Grad. Log. Tang.
30	7.9408419	7.9408584	30	9.9999835	12.0591416
31	7.9550819	7.9550996	29	9.9999823	12.0449004
32	7.9688698	7.9688886	28	9.9999812	12.0311114
33	7.9822334	7.9822534	27	9.9999800	12.0177466
34	7.9951980	7.9952192	26	9.9999788	12.0047808
35	8.0077867	8.0078092	25	9.9999775	11.9921908
36	8.0200207	8.0200445	24	9.9999762	11.9799555
37	8.0319195	8.0319446	23	9.9999748	11.9680554
38	8.0435009	8.0435274	22	9.9999735	11.9564726
39	8.0547814	8.0548094	21	9.9999721	11.9451906
40	8.0657763	8.0658057	20	9.9999706	11.9341943
41	8.0764997	8.0765306	19	9.9999691	11.9234694
42	8.0869646	8.0869970	18	9.9999676	11.9130030
43	8.0971832	8.0972172	17	9.9999660	11.9027828
44	8.1071669	8.1072025	16	9.9999644	11.8927975
45	8.1169262	8.1169634	15	9.9999628	11.8830366
46	8.1264710	8.1265099	14	9.9999611	11.8734901
47	8.1358104	8.1358510	13	9.9999594	11.8641490
48	8.1449532	8.1449956	12	9.9999577	11.8550044
49	8.1539075	8.1539516	11	9.9999559	11.8460484
50	8.1626808	8.1627267	10	9.9999541	11.8372733
51	8.1712804	8.1713282	9	9.9999522	11.8286718
52	8.1797129	8.1797626	8	9.9999503	11.8202374
53	8.1879848	8.1880364	7	9.9999484	11.8119636
54	8.1961020	8.1961556	6	9.9999464	11.8038444
55	8.2040703	8.2041259	5	9.9999444	11.7958741
56	8.2118949	8.2119526	4	9.9999424	11.7880474
57	8.2195811	8.2196408	3	9.9999403	11.7803592
58	8.2271335	8.2271953	2	9.9999382	11.7728047
59	8.2345568	8.2346208	1	9.9999360	11.7653792
60	8.2418553	8.2419215	0	9.9999338	11.7580785

Minut.	1. Grad. Log. Sin.	Log. Tang.	Minut.	88. Grad. Log. Sin.	Log. Tang.
0	8.2418553	8.2419215	60	9.9999338	11.7580785
1	8.2490332	8.2491015	59	9.9999316	11.7508985
2	8.2560943	8.2561649	58	9.9999294	11.7438351
3	8.2630424	8.2631153	57	9.9999271	11.7368847
4	8.2698810	8.2699563	56	9.9999247	11.7300437
5	8.2766136	8.2766912	55	9.9999224	11.7233088
6	8.2832434	8.2833234	54	9.9999200	11.7166766
7	8.2897734	8.2898559	53	9.9999175	11.7101441
8	8.2962067	8.2962917	52	9.9999150	11.7037083
9	8.3025460	8.3026335	51	9.9999125	11.6973665
10	8.3087941	8.3088842	50	9.9999100	11.6911158
11	8.3149536	8.3150462	49	9.9999074	11.6849538
12	8.3210269	8.3211221	48	9.9999047	11.6788779
13	8.3270163	8.3271143	47	9.9999021	11.6728857
14	8.3329243	8.3330249	46	9.9998994	11.6669751
15	8.3387529	8.3388563	45	9.9998966	11.6611437
16	8.3445043	8.3446105	44	9.9998939	11.6553895
17	8.3501805	8.3502895	43	9.9998911	11.6497105
18	8.3557835	8.3558953	42	9.9998882	11.6441047
19	8.3613150	8.3614297	41	9.9998853	11.6385703
20	8.3667769	8.3668945	40	9.9998824	11.6331055
21	8.3721710	8.3722915	39	9.9998794	11.6277085
22	8.3774988	8.3776223	38	9.9998764	11.6223777
23	8.3827620	8.3828886	37	9.9998734	11.6171114
24	8.3879622	8.3880918	36	9.9998703	11.6119082
25	8.3931008	8.3932336	35	9.9998672	11.6067664
26	8.3981793	8.3983152	34	9.9998641	11.6016848
27	8.4031990	8.4033381	33	9.9998609	11.5966619
28	8.4081614	8.4083037	32	9.9998577	11.5916963
29	8.4130676	8.4132132	31	9.9998544	11.5867868
30	8.4179190	8.4180679	30	9.9998512	11.5819321

Minut.	1. Grad. Log. Sin.	1. Grad. Log. Tang.	Minut.	88. Grad. Log. Sin.	88. Grad. Log. Tang.
30	8.4179190	8.4180679	30	9.9998512	11.5819321
31	8.4227168	8.4228690	29	9.9998478	11.5771310
32	8.4274621	8.4276176	28	9.9998445	11.5723824
33	8.4321561	8.4323150	27	9.9998411	11.5676850
34	8.4367999	8.4369622	26	9.9998376	11.5630378
35	8.4413944	8.4415603	25	9.9998342	11.5584397
36	8.4459409	8.4461103	24	9.9998306	11.5538897
37	8.4504402	8.4506131	23	9.9998271	11.5493869
38	8.4548934	8.4550699	22	9.9998235	11.5449301
39	8.4593013	8.4594814	21	9.9998199	11.5405186
40	8.4636649	8.4638486	20	9.9998162	11.5361514
41	8.4679850	8.4681725	19	9.9998125	11.5318275
42	8.4722626	8.4724538	18	9.9998088	11.5275462
43	8.4764984	8.4766933	17	9.9998050	11.5233067
44	8.4806932	8.4808920	16	9.9998012	11.5191080
45	8.4848479	8.4850505	15	9.9997974	11.5149495
46	8.4889632	8.4891696	14	9.9997935	11.5108304
47	8.4930398	8.4932502	13	9.9997896	11.5067498
48	8.4970784	8.4972928	12	9.9997856	11.5027072
49	8.5010798	8.5012982	11	9.9997817	11.4987018
50	8.5050447	8.5052671	10	9.9997776	11.4947329
51	8.5089736	8.5092001	9	9.9997736	11.4907999
52	8.5128673	8.5130978	8	9.9997695	11.4869022
53	8.5167264	8.5169610	7	9.9997653	11.4830390
54	8.5205514	8.5207902	6	9.9997612	11.4792098
55	8.5243430	8.5245860	5	9.9997570	11.4754140
56	8.5281018	8.5283490	4	9.9997527	11.4716510
57	8.5318281	8.5320797	3	9.9997484	11.467[illegible]03
58	8.5355228	8.5357787	2	9.9997441	11.4642213
59	8.5391863	8.5394466	1	9.9997398	11.4605534
60	8.5428192	8.5430838	0	9.9997354	11.4569162

Minut.	2. Grad. Log. Sin.	2. Grad. Log. Tang.	Minut.	87. Grad. Log. Sin.	87. Grad. Log. Tang.
0	8.5428192	8.5430838	60	9.9997354	11.4569162
1	8.5464218	8.5466909	59	9.9997309	11.4533091
2	8.5499948	8.5502683	58	9.9997265	11.4497317
3	8.5535386	8.5538166	57	9.9997220	11.4461834
4	8.5570536	8.5573362	56	9.9997174	11.4426638
5	8.5605404	8.5608276	55	9.9997128	11.4391724
6	8.5639994	8.5642912	54	9.9997082	11.4357088
7	8.5674310	8.5677275	53	9.9997036	11.4322725
8	8.5708357	8.5711368	52	9.9996989	11.4288632
9	8.5742139	8.5745197	51	9.9996942	11.4254803
10	8.5775660	8.5778766	50	9.9996894	11.4221234
11	8.5808923	8.5812077	49	9.9996846	11.4187923
12	8.5841933	8.5845136	48	9.9996798	11.4154864
13	8.5874694	8.5877945	47	9.9996749	11.4122055
14	8.5907209	8.5910509	46	9.9996700	11.4089491
15	8.5939483	8.5942832	45	9.9996650	11.4057168
16	8.5971517	8.5974917	44	9.9996601	11.4025083
17	8.6003317	8.6006767	43	9.9996550	11.3993233
18	8.6034886	8.6038386	42	9.9996500	11.3961614
19	8.6066226	8.6069777	41	9.9996449	11.3930223
20	8.6097341	8.6100943	40	9.9996398	11.3899057
21	8.6128235	8.6131889	39	9.9996346	11.3868111
22	8.6158910	8.6162616	38	9.9996294	11.3837384
23	8.6189369	8.6193127	37	9.9996242	11.3806873
24	8.6219616	8.6223427	36	9.9996189	11.3776573
25	8.6249653	8.6253518	35	9.9996136	11.3746482
26	8.6279484	8.6283402	34	9.9996082	11.3716598
27	8.6309111	8.6313083	33	9.9996028	11.3686917
28	8.6338537	8.6342563	32	9.9995974	11.3657437
29	8.6367764	8.6371845	31	9.9995919	11.3628155
30	8.6396796	8.6400931	30	9.9995865	11.3599059

Minut.	2. Grad. Log. Sin.	2. Grad. Log. Tang.	Minut.	87. Grad. Log. Sin.	87. Grad. Log. Tang.
30	8.6396796	8.6400931	30	9.9995865	11.3599069
31	8.6425634	8.6429825	29	9.9995809	11.3570175
32	8.6454282	8.6458528	28	9.9995753	11.3541472
33	8.6482742	8.6487044	27	9.9995697	11.3512956
34	8.6511016	8.6515375	26	9.9995641	11.3484625
35	8.6539107	8.6543522	25	9.9995584	11.3456478
36	8.6567017	8.6571490	24	9.9995527	11.3428510
37	8.6594748	8.6599279	23	9.9995469	11.3400721
38	8.6622303	8.6626891	22	9.9995411	11.3373109
39	8.6649684	8.6654331	21	9.9995353	11.3345669
40	8.6676893	8.6681598	20	9.9995295	11.3318402
41	8.6703932	8.6708697	19	9.9995236	11.3291303
42	8.6730804	8.6735628	18	9.9995176	11.3264372
43	8.6757510	8.6762393	17	9.9995116	11.3237607
44	8.6784052	8.6788996	16	9.9995056	11.3211004
45	8.6810433	8.6815437	15	9.9994996	11.3184563
46	8.6836654	8.6841719	14	9.9994935	11.3158281
47	8.6862718	8.6867844	13	9.9994874	11.3132156
48	8.6888625	8.6893813	12	9.9994812	11.3106187
49	8.6914379	8.6919629	11	9.9994750	11.3080371
50	8.6939980	8.6945292	10	9.9994688	11.3054708
51	8.6965431	8.6970806	9	9.9994625	11.3029194
52	8.6990734	8.6996172	8	9.9994562	11.3003828
53	8.7015889	8.7021390	7	9.9994498	11.2978610
54	8.7040899	8.7046465	6	9.9994435	11.2953535
55	8.7065766	8.7071395	5	9.9994370	11.2928605
56	8.7090490	8.7096185	4	9.9994306	11.2903815
57	8.7115075	8.7120834	3	9.9994241	11.2879166
58	8.7139520	8.7145345	2	9.9994176	11.2854655
59	8.7163829	8.7169719	1	9.9994110	11.2830281
60	8.7188002	8.7193958	0	9.9994044	11.2806042

Minut.	3. Grad.		Minut.	86. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	8.7188002	8.7193958	60	9.9994044	11.2806042
1	8.7212040	8.7218063	59	9.9993978	11.2781937
2	8.7235946	8.7242035	58	9.9993911	11.2757965
3	8.7259721	8.7265877	57	9.9993844	11.2734123
4	8.7283366	8.7289589	56	9.9993776	11.2710411
5	8.7306882	8.7313174	55	9.9993708	11.2686826
6	8.7330272	8.7335631	54	9.9993640	11.2663369
7	8.7353535	8.7359964	53	9.9993572	11.2640036
8	8.7376675	8.7383172	52	9.9993503	11.2616828
9	8.7399691	8.7406258	51	9.9993433	11.2593742
10	8.7422586	8.7429222	50	9.9993364	11.2570778
11	8.7445360	8.7452067	49	9.9993293	11.2547933
12	8.7468015	8.7474792	48	9.9993223	11.2525208
13	8.7490553	8.7497400	47	9.9993152	11.2502600
14	8.7512973	8.7519892	46	9.9993081	11.2480108
15	8.7535278	8.7542269	45	9.9993009	11.2457731
16	8.7557469	8.7564531	44	9.9992938	11.2435469
17	8.7579546	8.7586681	43	9.9992865	11.2413319
18	8.7601512	8.7608719	42	9.9992793	11.2391281
19	8.7623366	8.7630647	41	9.9992720	11.2369353
20	8.7645111	8.7652465	40	9.9992646	11.2347535
21	8.7666747	8.7674175	39	9.9992572	11.2325825
22	8.7688275	8.7695777	38	9.9992498	11.2304223
23	8.7709697	8.7717274	37	9.9992424	11.2282726
24	8.7731014	8.7738665	36	9.9992349	11.2261335
25	8.7752226	8.7759952	35	9.9992274	11.2240048
26	8.7773334	8.7781136	34	9.9992198	11.2218864
27	8.7794340	8.7802218	33	9.9992122	11.2197782
28	8.7815244	8.7823199	32	9.9992046	11.2176801
29	8.7836048	8.7844079	31	9.9991969	11.2155921
30	8.7856753	8.7864861	30	9.9991892	11.2135139

Minut.	3. Grad.		Minut.	86. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	8.7856753	8.7864861	30	9.9991892	11.2135139
31	8.7877359	8.7885544	29	9.9991815	11.2114456
32	8.7897867	8.7906130	28	9.9991737	11.2093870
33	8.7918278	8.7926620	27	9.9991659	11.2073380
34	8.7938594	8.7947014	26	9.9991580	11.2052986
35	8.7958814	8.7967313	25	9.9991501	11.2032687
36	8.7978941	8.7987519	24	9.9991422	11.2012481
37	8.7998974	8.8007632	23	9.9991342	11.1992368
38	8.8018915	8.8027653	22	9.9991262	11.1972347
39	8.8038764	8.8047583	21	9.9991182	11.1952417
40	8.8058523	8.8067422	20	9.9991101	11.1932578
41	8.8078192	8.8087172	19	9.9991020	11.1912828
42	8.8097772	8.8106834	18	9.9990938	11.1893166
43	8.8117264	8.8126407	17	9.9990856	11.1873593
44	8.8136668	8.8145894	16	9.9990774	11.1854106
45	8.8155985	8.8165294	15	9.9990691	11.1834706
46	8.8175217	8.8184608	14	9.9990608	11.1815392
47	8.8194363	8.8203838	13	9.9990525	11.1796162
48	8.8213425	8.8222984	12	9.9990441	11.1777016
49	8.8232404	8.8242046	11	9.9990357	11.1757954
50	8.8251299	8.8261026	10	9.9990273	11.1738974
51	8.8270112	8.8279924	9	9.9990188	11.1720076
52	8.8288844	8.8298741	8	9.9990103	11.1701259
53	8.8307495	8.8317478	7	9.9990017	11.1682522
54	8.8326066	8.8336134	6	9.9989931	11.1663866
55	8.8344557	8.8354712	5	9.9989845	11.1645288
56	8.8362969	8.8373211	4	9.9989758	11.1626789
57	8.8381304	8.8391633	3	9.9989671	11.1608367
58	8.8399561	8.8409977	2	9.9989584	11.1590023
59	8.8417741	8.8428245	1	9.9989496	11.1571755
60	8.8435845	8.8446437	0	9.9989408	11.1553563

Minut.	4. Grad.		Minut.	85. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	8.8435845	8.8446437	60	9.9989408	11. 1553563
1	8.8453874	8.8464554	59	9.9989319	11. 1535446
2	8.8471827	8.8482597	58	9.9989230	11. 1517403
3	8.8489707	8.8500566	57	9.9989141	11. 1499434
4	8.8507512	8.8518461	56	9.9989052	11. 1481539
5	8.8525245	8.8536283	55	9.9988962	11. 1463717
6	8.8542905	8.8554034	54	9.9988871	11. 1445966
7	8.8560493	8.8571713	53	9.9988780	11. 1428287
8	8.8578010	8.8589321	52	9.9988689	11. 1410679
9	8.8595457	8.8606859	51	9.9988598	11. 1393141
10	8.8612833	8.8624327	50	9.9988506	11. 1375673
11	8.8630139	8.8641725	49	9.9988414	11. 1358275
12	8.8647376	8.8659055	48	9.9988321	11. 1340945
13	8.8664545	8.8676317	47	9.9988228	11. 1323683
14	8.8681646	8.8693511	46	9.9988135	11. 1306489
15	8.8698680	8.8710638	45	9.9988041	11. 1289362
16	8.8715646	8.8727699	44	9.9987947	11. 1272301
17	8.8732546	8.8744694	43	9.9987853	11. 1255306
18	8.8749381	8.8761623	42	9.9987758	11. 1238377
19	8.8766156	8.8778487	41	9.9987663	11. 1221513
20	8.8782854	8.8795286	40	9.9987567	11. 1204714
21	8.8799493	8.8812022	39	9.9987471	11. 1187978
22	8.8816069	8.8828694	38	9.9987375	11. 1171306
23	8.8832581	8.8845303	37	9.9987278	11. 1154697
24	8.8849031	8.8861850	36	9.9987181	11. 1138150
25	8.8865418	8.8878334	35	9.9987084	11. 1121666
26	8.8881743	8.8894757	34	9.9986986	11. 1105243
27	8.8898007	8.8911119	33	9.9986888	11. 1088881
28	8.8914209	8.8927420	32	9.9986790	11. 1072580
29	8.8930351	8.8943660	31	9.9986691	11. 1056340
30	8.8946433	8.8959842	30	9.9986591	11. 1040158

Minut.	4. Grad. Log. Sin.	Log. Tang.	Minut.	85. Grad. Log. Sin.	Log. Tang.
30	8.8946433	8.8959842	30	9.9986591	11.1040158
31	8.8962455	8.8975963	29	9.9986492	11.1024037
32	8.8978418	8.8992026	28	9.9986392	11.1007974
33	8.8994322	8.9008030	27	9.9986292	11.0991970
34	8.9010168	8.9023977	26	9.9986191	11.0976023
35	8.9025955	8.9039866	25	9.9986090	11.0960134
36	8.9041685	8.9055697	24	9.9985988	11.0944303
37	8.9057358	8.9071472	23	9.9985886	11.0928528
38	8.9072975	8.9087190	22	9.9985784	11.0912810
39	8.9088535	8.9102853	21	9.9985682	11.0897147
40	8.9104039	8.9118460	20	9.9985579	11.0881540
41	8.9119487	8.9134012	19	9.9985475	11.0865988
42	8.9134881	8.9149509	18	9.9985372	11.0850491
43	8.9150219	8.9164952	17	9.9985268	11.0835048
44	8.9165504	8.9180340	16	9.9985163	11.0819660
45	8.9180734	8.9195675	15	9.9985058	11.0804325
46	8.9195911	8.9210957	14	9.9984953	11.0789043
47	8.9211034	8.9226186	13	9.9984848	11.0773814
48	8.9226105	8.9241363	12	9.9984742	11.0758637
49	8.9241123	8.9256487	11	9.9984636	11.0743513
50	8.9256089	8.9271560	10	9.9984529	11.0728440
51	8.9271003	8.9286581	9	9.9984422	11.0713419
52	8.9285866	8.9301552	8	9.9984315	11.0698448
53	8.9300678	8.9316471	7	9.9984207	11.0683529
54	8.9315439	8.9331340	6	9.9984099	11.0668660
55	8.9330150	8.9346160	5	9.9983990	11.0653840
56	8.9344811	8.9360929	4	9.9983881	11.0639071
57	8.9359422	8.9375650	3	9.9983772	11.0624350
58	8.9373983	8.9390321	2	9.9983663	11.0609670
59	8.9388490	8.9404944	1	9.9983553	11.0595056
60	8.9402960	8.9419518	0	9.9983442	11.0580482

Minut.	5. Grad. Log. Sin.	5. Grad. Log. Tang.	Minut.	84. Grad. Log. Sin.	84. Grad. Log. Tang.
0	8.9402960	8.9419518	60	9.9983442	11.0580482
1	8.9417376	8.9434044	59	9.9983332	11.0565956
2	8.9431743	8.9448523	58	9.9983220	11.0551477
3	8.9446063	8.9462954	57	9.9983109	11.0537046
4	8.9460335	8.9477338	56	9.9982997	11.0522662
5	8.9474561	8.9491676	55	9.9982885	11.0508324
6	8.9488739	8.9505967	54	9.9982772	11.0494033
7	8.9502871	8.9520211	53	9.9982660	11.0479789
8	8.9516957	8.9534410	52	9.9982546	11.0465590
9	8.9530996	8.9548564	51	9.9982433	11.0451436
10	8.9544991	8.9562672	50	9.9982318	11.0437328
11	8.9558940	8.9576735	49	9.9982204	11.0423265
12	8.9572843	8.9590754	48	9.9982089	11.0409246
13	8.9586703	8.9604728	47	9.9981974	11.0395272
14	8.9600517	8.9618659	46	9.9981859	11.0381341
15	8.9614288	8.9632545	45	9.9981743	11.0367455
16	8.9628014	8.9646386	44	9.9981629	11.0353612
17	8.9641697	8.9660188	43	9.9981510	11.0339812
18	8.9655337	8.9673944	42	9.9981393	11.0326056
19	8.9668934	8.9687658	41	9.9981275	11.0312342
20	8.9682487	8.9701330	40	9.9981158	11.0298670
21	8.9695999	8.9714959	39	9.9981040	11.0285041
22	8.9709468	8.9728547	38	9.9980921	11.0271453
23	8.9722895	8.9742092	37	9.9980802	11.0257908
24	8.9736280	8.9755597	36	9.9980683	11.0244403
25	8.9749624	8.9769060	35	9.9980563	11.0230940
26	8.9762926	8.9782483	34	9.9980443	11.0217517
27	8.9776188	8.9795865	33	9.9980323	11.0204135
28	8.9789408	8.9809206	32	9.9980202	11.0190794
29	8.9802589	8.9822507	31	9.9980081	11.0177493
30	8.9815729	8.9835769	30	9.9979960	11.0164231

Minut.	5. Grad.		Minut.	84. Grad.	
	Log. Sin	Log. Tang.		Log. Sin.	Log. Tang.
30	8.9815729	8.9835769	30	9.9979960	11.0164231
31	8.9828829	8.9848991	29	9.9979838	11.0151009
32	8.9841889	8.9862173	28	9.9979716	11.0137827
33	8.9854910	8.9875317	27	9.9979593	11.0124683
34	8.9867891	8.9888421	26	9.9979470	11.0111579
35	8.9880834	8.9901487	25	9.9979347	11.0098513
36	8.9893737	8.9914514	24	9.9979223	11.0085486
37	8.9906602	8.9927503	23	9.9979099	11.0072497
38	8.9919429	8.9940454	22	9.9978975	11.0059546
39	8.9932217	8.9953367	21	9.9978850	11.0046633
40	8.9944968	8.9966243	20	9.9978725	11.0033757
41	8.9957681	8.9979081	19	9.9978599	11.0020919
42	8.9970356	8.9991883	18	9.9978473	11.0008117
43	8.9982994	9.0004647	17	9.9978347	10.9995351
44	8.9995595	9.0017375	16	9.9978220	10.9982625
45	9.0008160	9.0030066	15	9.9978093	10.9969934
46	9.0020687	9.0042721	14	9.9977966	10.9957279
47	9.0033179	9.0055340	13	9.9977838	10.9944660
48	9.0045634	9.0067924	12	9.9977710	10.9932076
49	9.0058053	9.0080471	11	9.9977582	10.9919529
50	9.0070436	9.0092984	10	9.9977453	10.9907016
51	9.0082784	9.0105461	9	9.9977323	10.9894539
52	9.0095096	9.0117903	8	9.9977194	10.9882097
53	9.0107374	9.0130310	7	9.9977064	10.9869690
54	9.0119616	9.0142682	6	9.9976933	10.9857318
55	9.0131823	9.0155021	5	9.9976803	10.9844979
56	9.0143996	9.0167325	4	9.9976672	10.9832675
57	9.0156135	9.0179594	3	9.9976540	10.9820406
58	9.0168239	9.0191831	2	9.9976408	10.9808169
59	9.0180309	9.0204033	1	9.9976276	10.9795967
60	9.0192346	9.0216202	0	9.9976143	10.9783798

Minut.	6. Grad. Log. Sin.	6. Grad. Log. Tang.	Minut.	83. Grad. Log. Sin.	83. Grad. Log. Tang.
0	9.0192346	9.0216202	60	9.9976143	10.9783798
1	9.0204348	9.0228338	59	9.9976011	10.9771662
2	9.0216318	9.0240441	58	9.9975877	10.9759559
3	9.0228254	9.0252510	57	9.9975743	10.9747490
4	9.0240157	9.0264548	56	9.9975609	10.9735452
5	9.0252027	9.0276552	55	9.9975475	10.9723448
6	9.0263865	9.0288524	54	9.9975340	10.9711476
7	9.0275669	9.0300464	53	9.9975205	10.9699536
8	9.0287442	9.0312373	52	9.9975069	10.9687627
9	9.0299182	9.0324249	51	9.9974933	10.9675751
10	9.0310890	9.0336093	50	9.9974797	10.9663907
11	9.0322567	9.0347906	49	9.9974660	10.9652094
12	9.0334212	9.0359688	48	9.9974523	10.9640312
13	9.0345825	9.0371439	47	9.9974386	10.9628561
14	9.0357407	9.0383159	46	9.9974248	10.9616841
15	9.0368958	9.0394848	45	9.9974110	10.9605152
16	9.0380477	9.0406506	44	9.9973971	10.9593494
17	9.0391966	9.0418134	43	9.9973833	10.9581866
18	9.0403424	9.0429731	42	9.9973693	10.9570269
19	9.0414852	9.0441299	41	9.9973554	10.9558701
20	9.0426249	9.0452836	40	9.9973414	10.9547164
21	9.0437617	9.0464343	39	9.9973273	10.9535657
22	9.0448954	9.0475821	38	9.9973132	10.9524179
23	9.0460261	9.0487270	37	9.9972991	10.9512730
24	9.0471538	9.0498689	36	9.9972850	10.9501311
25	9.0482786	9.0510078	35	9.9972708	10.9489922
26	9.0494005	9.0521439	34	9.9972566	10.9478561
27	9.0505194	9.0532771	33	9.9972423	10.9467229
28	9.0516354	9.0544074	32	9.9972280	10.9455926
29	9.0527485	9.0555349	31	9.9972137	10.9444651
30	9.0538588	9.0566595	30	9.9971993	10.9433405

Minut.	6. Grad. Log. Sin.	6. Grad. Log. Tang.	Minut.	83. Grad. Log. Sin.	83. Grad. Log. Tang.
30	9.0538588	9.0566595	30	9.9971993	10.9433405
31	9.0549661	9.0577813	29	9.9971849	10.9422187
32	9.0560706	9.0589002	28	9.9971704	10.9410998
33	9.0571723	9.0600164	27	9.9971559	10.9399836
34	9.0582711	9.0611297	26	9.9971414	10.9388703
35	9.0593672	9.0622403	25	9.9971268	10.9377597
36	9.0604604	9.0633482	24	9.9971122	10.9366518
37	9.0615509	9.0644533	23	9.9970976	10.9355467
38	9.0626386	9.0655556	22	9.9970829	10.9344444
39	9.0637235	9.0666553	21	9.9970682	10.9333447
40	9.0648057	9.0677522	20	9.9970535	10.9322478
41	9.0658852	9.0688465	19	9.9970387	10.9311535
42	9.0669619	9.0699381	18	9.9970239	10.9300619
43	9.0680360	9.0710270	17	9.9970090	10.9289730
44	9.0691074	9.0721133	16	9.9969941	10.9278867
45	9.0701761	9.0731969	15	9.9969792	10.9268031
46	9.0712421	9.0742779	14	9.9969642	10.9257221
47	9.0723055	9.0753563	13	9.9969492	10.9246437
48	9.0733663	9.0764321	12	9.9969342	10.9235679
49	9.0744244	9.0775053	11	9.9969191	10.9224947
50	9.0754799	9.0785760	10	9.9969040	10.9214240
51	9.0765329	9.0796441	9	9.9968888	10.9203559
52	9.0775832	9.0807096	8	9.9968736	10.9192904
53	9.0786310	9.0817726	7	9.9968584	10.9182274
54	9.0796762	9.0828331	6	9.9968431	10.9171669
55	9.0807189	9.0838911	5	9.9968278	10.9161089
56	9.0817590	9.0849466	4	9.9968125	10.9150534
57	9.0827966	9.0859990	3	9.9967971	10.9140004
58	9.0838317	9.0870501	2	9.9967817	10.9129499
59	9.0848643	9.0880981	1	9.9967662	10.9119019
60	9.0858945	9.0891438	0	6.9967507	10.9108562

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Minut.	7. Grad. Log. Sin.	7. Grad. Log. Tang.	Minut.	82. Grad. Log. Sin.	82. Grad. Log. Tang.
0	9.0858945	9.0891438	60	9.9967507	10. 9108562
1	9.0869221	9.0901869	59	9.9967352	10. 9098131
2	9.0879473	9.0912277	58	9.9967196	10. 9087723
3	9.0889700	9.0922660	57	9.9967040	10. 9077340
4	9.0899903	9.0933020	56	9.9966884	10. 9066980
5	9.0910082	9.0943355	55	9.9966727	10. 9056645
6	9.0920237	9.0953667	54	9.9966570	10. 9046333
7	9.0930367	9.0963955	53	9.9966412	10. 9036045
8	9.0940474	9.0974219	52	9.9966254	10. 9025781
9	9.0950556	9.0984460	51	9.9966096	10. 9015540
10	9.0960615	9.0994678	50	9.9965937	10. 9005322
11	9.0970651	9.1004872	49	9.9965778	10. 8995128
12	9.0980662	9.1015044	48	9.9965619	10. 8984956
13	9.0990651	9.1025192	47	9.9965459	10. 8974808
14	9.1000616	9.1035317	46	9.9965299	10. 8964683
15	9.1010558	9.1045420	45	9.9965138	10. 8954580
16	9.1020477	9.1055500	44	9.9964977	10. 8944500
17	9.1030373	9.1065557	43	9.9964816	10. 8934443
18	9.1040246	9.1075591	42	9.9964655	10. 8924406
19	9.1050096	9.1085604	41	9.9964493	10. 8914366
20	9.1059924	9.1095594	40	9.9964330	10. 8904406
21	9.1069729	9.1105562	39	9.9964167	10. 8894438
22	9.1079512	9.1115508	38	9.9964004	10. 8884492
23	9.1089272	9.1125431	37	9.9963841	10. 8874569
24	9.1099010	9.1135333	36	9.9963677	10. 8864667
25	9.1108726	9.1145213	35	9.9963513	10. 8854787
26	9.1118420	9.1155072	34	9.9963348	10. 8844928
27	9.1128092	9.1164909	33	9.9963183	10. 8835091
28	9.1137742	9.1174724	32	9.9963018	10. 8825276
29	9.1147370	9.1184518	31	9.9962852	10. 8815482
30	9.1156977	9.1194291	30	9.9962686	10. 8805709

Minut.	7. Grad.		Minut.	82. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.1156977	9.1194291	30	9.9962686	10. 8805709
31	9.1166562	9.1204043	29	9.9962519	10. 8795957
32	9.1176125	9.1213773	28	9.9962352	10. 8786227
33	9.1185667	9.1223482	27	9.9962185	10. 8776518
34	9.1195188	9.1233171	26	9.9962017	10. 8766829
35	9.1204688	9.1242839	25	9.9961849	10. 8757161
36	9.1214167	9.1252486	24	9.9961681	10. 8747514
37	9.1223624	9.1262112	23	9.9961512	10. 8737888
38	9.1233061	9.1271713	22	9.9961343	10. 8728282
39	9.1242477	9.1281303	21	9.9961174	10. 8718697
40	9.1251872	9.1290868	20	9.9961004	10. 8709132
41	9.1261246	9.1300413	19	9.9960834	10. 8699587
42	9.1270600	9.1309937	18	9.9960663	10. 8690063
43	9.1279934	9.1319442	17	9.9960492	10. 8680558
44	9.1289247	9.1328926	16	9.9960321	10. 8671074
45	9.1298539	9.1338392	15	9.9960149	10. 8661609
46	9.1307812	9.1347835	14	9.9959977	10. 8652165
47	9.1317064	9.1357260	13	9.9959804	10. 8642740
48	9.1326297	9.1366665	12	9.9959631	10. 8633335
49	9.1335509	9.1376051	11	9.9959458	10. 8623949
50	9.1344702	9.1385417	10	9.9959284	10. 8614583
51	9.1353875	9.1394764	9	9.9959111	10. 8605236
52	9.1363028	9.1404092	8	9.9958930	10. 8595908
53	9.1372161	9.1413400	7	9.9958761	10. 8586600
54	9.1381275	9.1422689	6	9.9958586	10. 9577311
55	9.1390370	9.1431959	5	9.9958411	10. 8568041
56	9.1399445	9.1441210	4	9.9958235	10. 8558790
57	9.1408501	9.1450442	3	9.9958059	10. 8549558
58	9.1417537	9.1459655	2	9.9957882	10. 8540345
59	9.1426555	9.1468850	1	9.9957705	10. 8531150
60	9.1435553	9.1478025	0	9.9957528	10. 8521975

Minut.	8. Grad. Log. Sin.	Log. Tang.	Minut.	81. Grad. Log. Sin.	Log. Tang.
0	9.1435553	9.1478025	60	9.9957528	10. 8521975
1	9.1444532	9.1487182	59	9.9957350	10. 8512818
2	9.1453493	9.1496321	58	9.9957172	10. 8503679
3	9.1462435	9.1505441	57	9.9956993	10. 8494559
4	9.1471358	9.1514543	56	9.9956815	10. 8485457
5	9.1480262	9.1523627	55	9.9956635	10. 8476343
6	9.1489148	9.1532692	54	9.9956456	10. 8467308
7	9.1498015	9.1541739	53	9.9956276	10. 8458261
8	9.1506864	9.1550769	52	9.9956095	10. 8449231
9	9.1515694	9.1559780	51	9.9955915	10. 8440220
10	9.1524507	9.1568773	50	9.9955734	10. 8431227
11	9.1533301	9.1577748	49	9.9955552	10. 8422252
12	9.1542076	9.1586706	48	9.9955370	10. 8413294
13	9.1550834	9.1595646	47	9.9955188	10. 8404354
14	9.1559574	9.1604569	46	9.9955005	10. 8395431
15	9.1568296	9.1613473	45	9.9954822	10. 8386527
16	9.1577000	9.1622361	44	9.9954639	10. 8377639
17	9.1585686	9.1631231	43	9.9954455	10. 8368769
18	9.1594354	9.1640083	42	9.9954271	10. 8359917
19	9.1603005	9.1648919	41	9.9954087	10. 8351081
20	9.1611639	9.1657737	40	9.9953902	10. 8342263
21	9.1620254	9.1666538	39	9.9953717	10. 8333462
22	9.1628853	9.1675322	38	9.9953531	10. 8324678
23	9.1637434	9.1684089	37	9.9953345	10. 8315911
24	9.1645998	9.1692839	36	9.9953150	10. 8307161
25	9.1654544	9.1701572	35	9.9952972	10. 8298428
26	9.1663074	9.1710289	34	9.9952785	10. 8289711
27	9.1671586	9.1718989	33	9.9952597	10. 8281011
28	9.1680081	9.1727672	32	9.9952409	10. 8272328
29	9.1688559	9.1736338	31	9.9952221	10. 8263662
30	9.1697021	9.1744988	30	9.9952033	10. 8255012

Minut.	8. Grad. Log. Sin.	8. Grad. Log. Tang.	Minut.	81. Grad. Log. Sin.	81. Grad. Log. Tang.
30	9.1697021	9.1744988	30	9.9952033	10. 8255012
31	9.1705465	9.1753622	29	9.9951844	10. 8246378
32	9.1713893	9.1762239	28	9.9951654	10. 8237761
33	9.1722305	9.1770840	27	9.9951464	10. 8229260
34	9.1730699	9.1779425	26	9.9951274	10. 8220575
35	9.1739077	9.1787993	25	9.9951084	10. 8212007
36	9.1747439	9.1796546	24	9.9950893	10. 8203454
37	9.1755784	9.1805082	23	9.9950702	10. 8194918
38	9.1764112	9.1813602	22	9.9950510	10. 8186398
39	9.1772425	9.1822106	21	9.9950318	10. 8177894
40	9.1780721	9.1830595	20	9.9950126	10. 8169405
41	9.1789001	9.1839068	19	9.9949933	10. 8160932
42	9.1797265	9.1847525	18	9.9949740	10. 8152475
43	9.1805512	9.1855966	17	9.9949546	10. 8144034
44	9.1813744	9.1864392	16	9.9949352	10. 8135608
45	9.1821960	9.1872802	15	9.9949158	10. 8127198
46	9.1830160	9.1881196	14	9.9948964	10. 8118804
47	9.1838344	9.1889575	13	9.9948769	10. 8110425
48	9.1846512	9.1897939	12	9.9948573	10. 8102061
49	9.1845665	9.1906287	11	9.9948377	10. 8093713
50	9.1862802	9.1914621	10	9.9948181	10. 8085379
51	9.1870923	9.1922939	9	9.9947985	10. 8077061
52	9.1879029	9.1931241	8	9.9947788	10. 8068759
53	9.1887120	9.1939529	7	9.9947591	10. 8060471
54	9.1895195	9.1947802	6	9.9947393	10. 8052198
55	9.1903254	9.1956059	5	9.9947195	10. 8043941
56	9.1911299	9.1964302	4	9.9946997	10. 8035698
57	9.1919328	9.1972530	3	9.9946798	10. 8027470
58	9.1927342	9.1980743	2	9.9946599	10. 8019257
59	9.1935341	9.1988941	1	9.9946399	10. 8011059
60	9.1943324	9.1997125	0	9.9946199	10. 8002875

Minut.	9. Grad.		Minut.	80. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.1943324	9.1997125	60	9.9946199	10. 8002875
1	9,1951293	9.2005294	59	9.9945999	10. 7994706
2	9.1959247	9.2013449	58	9.9945798	10. 7986551
3	9.1967186	9.2021588	57	9.9945597	10. 7978411
4	9.1975110	9.2029714	56	9.9945396	10. 7970286
5	9.1983019	9.2037825	55	9.9945194	10. 7962175
6	9.1990913	9.2045922	54	9.9944992	10. 7954078
7	9.1998793	9.2054004	53	9.9944789	10. 7945996
8	9.2006658	9.2062072	52	9.9944587	10. 7937928
9	9.2014509	9.2070126	51	9.9944383	10. 7929874
10	9.2022345	9.2078165	50	9.9944180	10. 7921835
11	9.2030167	9.2086191	49	9.9943975	10. 7913809
12	9.2037974	9.2094203	48	9.9943771	10. 7905797
13	9.2045766	9.2102200	47	9.9943566	10. 7897800
14	9.2053545	9.2110184	46	9.9943361	10. 7889816
15	9.2061309	9.2118153	45	9.9943156	10. 7881847
16	9.2069059	9.2126109	44	9.9942950	10. 7873891
17	9.2076795	9.2134051	43	9.9942743	10. 7865949
18	9.2084516	9.2141980	42	9.9942537	10. 7858020
19	9.2092224	9.2149894	41	9.9942330	10. 7850106
20	9.2099917	9.2157795	40	9.9942122	10. 7842205
21	9.2107597	9.2165683	39	9.9941914	10. 7834317
22	9.2115263	9.2173556	38	9.9941706	10. 7826444
23	9.2122914	9.2181417	37	9.9941498	10. 7818583
24	9.2130552	9.2189264	36	9.9941289	10. 7810736
25	9.2138176	9.2197097	35	9.9941079	10. 7802903
26	9.2145787	9.2204917	34	9.9940870	10. 7795083
27	9.2153384	9.2212724	33	9.9940659	10. 7787276
28	9.2160967	9.2220518	32	9.9940449	10. 7779482
29	9.2168536	9.2228298	31	9.9940238	10. 7771702
30	9.2176092	9.2236065	30	9.9940027	10. 7763935

Minut.	9. Grad. Log. Sin.	Log. Tang.	Minut.	80. Grad. Log. Sin.	Log. Tang.
30	9.2176092	9.2236065	30	9.9940027	10.7763935
31	9.2183635	9.2243819	29	9.9939815	10.7756181
32	9.2191164	9.2251561	28	9.9939603	10.7748439
33	9.2198680	9.2259279	27	9.9939391	10.7740711
34	9.2206182	9.2267004	26	9.9939178	10.7732996
35	9.2213671	9.2274706	25	9.9938965	10.7725294
36	9.2221147	9.2282395	24	9.9938752	10.7717605
37	9.2228609	9.2290071	23	9.9938538	10.7709929
38	9.2236059	9.2297735	22	9.9938324	10.7702265
39	9.2243495	9.2305386	21	9.9938109	10.7694614
40	9.2250918	9.2313024	20	9.9937894	10.7686976
41	9.2258328	9.2320650	19	9.9937679	10.7679350
42	9.2265725	9.2328262	18	9.9937463	10.7671738
43	9.2273110	9.2335863	17	9.9937247	10.7664137
44	9.2280481	9.2343451	16	9.9937030	10.7656549
45	9.2287839	9.2351026	15	9.9936813	10.7648974
46	9.2295185	9.2358589	14	9.9936596	10.7641411
47	9.2302518	9.2366139	13	9.9936378	10.7633861
48	9.2309838	9.2373678	12	9.9936160	10.7626322
49	9.2317145	9.2381203	11	9.9935942	10.7618797
50	9.2324440	9.2388717	10	9.9935723	10.7611283
51	9.2331722	9.2396218	9	9.9935504	10.7603782
52	9.2338992	9.2403708	8	9.9935285	10.7596292
53	9.2346249	9.2411185	7	9.9935065	10.7588815
54	9.2353494	9.2418650	6	9.9934844	10.7581350
55	9.2360726	9.2426103	5	9.9934624	10.7573897
56	9.2367946	9.2433543	4	9.9934403	10.7566457
57	9.2375153	9.2440972	3	9.9934181	10.7559028
58	9.2382349	9.2448389	2	9.9933959	10.7551611
59	9.2389532	9.2455794	1	9.9933737	10.7544206
60	9.2396702	9.2463188	0	9.9933515	10.7536812

Minut.	10. Grad. Log. Sin.	Log. Tang.	Minut.	79. Grad. Log. Sin.	Log. Tang.
0	9.2396702	9.2463188	60	9.9933515	10.7536812
1	9.2403861	9.2470569	59	9.9933292	10.7529431
2	9.2411007	9.2477939	58	9.9933068	10.7522061
3	9.2418141	9.2485197	57	9.9932845	10.7514703
4	9.2425264	9.2492643	56	9.9932621	10.7507357
5	9.2432374	9.2499978	55	9.9932396	10.7500022
6	9.2439472	9.2507301	54	9.9932171	10.7492699
7	9.2446558	9.2514612	53	9.9931946	10.7485388
8	9.2453632	9.2521912	52	9.9931720	10.7478088
9	9.2460695	9.2529200	51	9.9931494	10.7470800
10	9.2467740	9.2536477	50	9.9931268	10.7463523
11	9.2474784	9.2543743	49	9.9931041	10.7456257
12	9.2481811	9.2550997	48	9.9930814	10.7449003
13	9.2488827	9.2558240	47	9.9930587	10.7441760
14	9.2495830	9.2565472	46	9.9930359	10.7434528
15	9.2502822	9.2572691	45	9.9930131	10.7427308
16	9.2509803	9.2579901	44	9.9929902	10.7420099
17	9.2516772	9.2587099	43	9.9929673	10.7412901
18	9.2523729	9.2594285	42	9.9929444	10.7405715
19	9.2530675	9.2601461	41	9.9929214	10.7398539
20	9.2537609	9.2608625	40	9.9928984	10.7391375
21	9.2544532	9.2615779	39	9.9928753	10.7384221
22	9.2551444	9.2622921	38	9.9928522	10.7377079
23	9.2558344	9.2630053	37	9.9928291	10.7369947
24	9.2565233	9.2637173	36	9.9928059	10.7362827
25	9.2572110	9.2644283	35	9.9927827	10.7355717
26	9.2578977	9.2651382	34	9.9927595	10.7348618
27	9.2585832	9.2658470	33	9.9927362	10.7341530
28	9.2592676	9.2665547	32	9.9927129	10.7334453
29	9.2599509	9.2671613	31	9.9926895	10.7327387
30	9.2606330	9.2679669	30	9.9926661	10.7320331

Minut.	10. Grad. Log. Sin.	Log. Tang.	Minut.	79. Grad. Log. Sin.	Log. Tang.
30	9.2606330	9.2679669	30	9.9926661	10.7320331
31	9.2613141	9.2686714	29	9.9926427	10.7313286
32	9.2619941	9.2693749	28	9.9926192	10.7306251
33	9.2626729	9.2700772	27	9.9925957	10.7299228
34	9.2633507	9.2707786	26	9.9925722	10.7292214
35	9.2640274	9.2714788	25	9.9925486	10.7285212
36	9.2647030	9.2721780	24	9.9925250	10.7278220
37	9.2653775	9.2728762	23	9.9925013	10.7271238
38	9.2660509	9.2735733	22	9.9924776	10.7264267
39	9.2667232	9.2742694	21	9.9924539	10.7257306
40	9.2673945	9.2749644	20	9.9924301	10.7250356
41	9.2680647	9.2756584	19	9.9924063	10.7243416
42	9.2687338	9.2763514	18	9.9923824	10.7236486
43	9.2694019	9.2770434	17	9.9923585	10.7229566
44	9.2700689	9.2777343	16	9.9923346	10.7222657
45	9.2707348	9.2784242	15	9.9923106	10.7215758
46	9.2713997	9.2791131	14	9.9922866	10.7208869
47	9.2720635	9.2798009	13	9.9922626	10.7201991
48	9.2727263	9.2804878	12	9.9922385	10.7195122
49	9.2733880	9.2811736	11	9.9922144	10.7188264
50	9.2740487	9.2818585	10	9.9921902	10.7181415
51	9.2747083	9.2825423	9	9.9921660	10.7174577
52	9.2753669	9.2832251	8	9.9921418	10.7167749
53	9.2760245	9.2839070	7	9.9921175	10.7160930
54	9.2766811	9.2845878	6	9.9920932	10.7154122
55	9.2773366	9.2852677	5	9.9920689	10.7147323
56	9.2779911	9.2859466	4	9.9920445	10.7140534
57	9.2786445	9.2866245	3	9.9920201	10.7133755
58	9.2792970	9.2873014	2	9.9919956	10.7126986
59	9.2799484	9.2879773	1	9.9919711	10.7120227
60	9.2805988	9.2886523	0	9.9919466	10.7113477

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Minut.	11. Grad. Log. Sin.	11. Grad. Log. Tang.	Minut.	78. Grad. Log. Sin.	78. Grad. Log. Tang.
0	9.2805988	9.2886523	60	9.9919466	10.7113477
1	9.2812483	9.2893263	59	9.9919220	10.7106737
2	9.2818967	9.2899993	58	9.9918974	10.7100007
3	9.2825441	9.2906713	57	9.9918727	10.7093287
4	9.2831903	9.2913424	56	9.9918480	10.7086576
5	9.2838355	9.2920126	55	9.9918233	10.7079874
6	9.2844809	9.2926817	54	9.9917986	10.7073183
7	9.2851237	9.2933500	53	9.9917737	10.7066500
8	9.2857661	9.2940172	52	9.9917489	10.7056828
9	9.2864076	9.2946836	51	9.9917240	10.7053164
10	9.2870480	9.2953489	50	9.9916991	10.7046511
11	9.2876875	9.2960134	49	9.9916741	10.7039866
12	9.2883260	9.2966769	48	9.9916492	10.7033231
13	9.2889636	9.2973395	47	9.9916241	10.7026605
14	9.2896001	9.2980011	46	9.9915990	10.7019989
15	9.2902357	9.2986618	45	9.9915739	10.7013382
16	9.2908704	9.2993216	44	9.9915488	10.7006784
17	9.2915040	9.2999804	43	9.9915236	10.7000196
18	9.2921367	9.3006383	42	9.9914984	10.6993617
19	9.2927685	9.3012954	41	9.9914731	10.6987046
20	9.2933993	9.3019514	40	9.9914478	10.6980486
21	9.2940291	9.3026066	39	9.9914225	10.6973934
22	9.2946580	9.3032609	38	9.9913971	10.6967391
23	9.2952859	9.3039143	37	9.9913717	10.6960857
24	9.2959129	9.3045667	36	9.9913462	10.6954333
25	9.2965390	9.3052183	35	9.9913207	10.6947817
26	9.2971641	9.3058689	34	9.9912952	10.6941311
27	9.2977883	9.3065187	33	9.9912696	10.6934813
28	9.2984116	9.3071675	32	9.9912440	10.6928325
29	9.2990339	9.3078155	31	9.9912184	10.6921845
30	9.2996553	9.3084626	30	9.9911927	10.6915374

Minut.	11. Grad.		Minut.	78. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.2996553	9.3084626	30	9.9911927	10.6915374
31	9.3002758	9.3091088	29	9.9911670	10.6908912
32	9.3008953	9.3097541	28	9.9911412	10.6902459
33	9.3015140	9.3103985	27	9.9911154	10.6896015
34	9.3021317	9.3110421	26	9.9910896	10.6889579
35	9.3027485	9.3116848	25	9.9910637	10.6883152
36	9.3033644	9.3123266	24	9.9910378	10.6876734
37	9.3039794	9.3129675	23	9.9910119	10.6870325
38	9.3045934	9.3136076	22	9.9909859	10.6863924
39	9.3052066	9.3142468	21	9.9909598	10.6857532
40	9.3054189	9.3148851	20	9.9909338	10.6851149
41	9.3064303	9.3155226	19	9.9909077	10.6844774
42	9.3070407	9.3161592	18	9.9908815	10.6838408
43	9.3076503	9.3167950	17	9.9908553	10.6832050
44	9.3082590	9.3174299	16	9.9908291	10.6821701
45	9.3088668	9.3180640	15	9.9908029	10.6819360
46	9.3094737	9.3186972	14	9.9907766	10.6813028
47	9.3100798	9.3193295	13	9.9907502	10.6806705
48	9.3106849	9.3199611	12	9.9907239	10.6800389
49	9.3112892	9.3205918	11	9.9906974	10.6794082
50	9.3118926	9.3212216	10	9.9906710	10.6787784
51	9.3124951	9.3218506	9	9.9906445	10.6781494
52	9.3130968	9.3224788	8	9.9906180	10.6775212
53	9.3136976	9.3231061	7	9.9905914	10.6768939
54	9.3142975	9.3237327	6	9.9905648	10.6762673
55	9.3148965	9.3243584	5	9.9905382	10.6756416
56	9.3154947	9.3249832	4	9.9905115	10.6750168
57	9.3160921	9.3256073	3	9.9904848	10.6743927
58	9.3166885	9.3262305	2	9.9904580	10.6737695
59	9.3172841	9.3268529	1	9.9904312	10.6731471
60	9.3178789	9.3274745	0	9.9904044	10.6725255

Minut.	12. Grad. Log. Sin.	Log. Tang.	Minut.	77. Grad. Log. Sin.	Log. Tang.
0	9.3178789	9.3274745	60	9.9904044	10. 6725255
1	9.3184728	9.3280953	59	9.9903775	10. 6719047
2	9.3190659	9.3287153	58	9.9903506	10. 6712847
3	9.3196581	9.3293345	57	9.9903237	10. 6706655
4	9.3202495	9.3299528	56	9.9902967	10. 6700472
5	9.3208400	9.3305704	55	9.9902697	10. 6694296
6	9.3214297	9.3311872	54	9.9902426	10. 6688128
7	9.3220186	9.3318031	53	9.9902155	10. 6681969
8	9.3226066	9.3324183	52	9.9901883	10. 6675817
9	9.3231938	9.3330327	51	9.9901612	10. 6669673
10	9.3237802	9.3336463	50	9.9901339	10. 6663537
11	9.3243657	9.3342591	49	9.9901067	10. 6657409
12	9.3249505	9.3348711	48	9.9900794	10. 6651289
13	9.3255344	9.3354823	47	9.9900521	10. 6645177
14	9.3261174	9.3360927	46	9.9900247	10. 6639073
15	9.3266997	9.3367024	45	9.9899973	10. 6632976
16	9.3272811	9.3373113	44	9.9899698	10. 6626887
17	9.3278617	9.3379194	43	9.9899423	10. 6620806
18	9.3284416	9.3385267	42	9.9899148	10. 6614733
19	9.3290206	9.3391333	41	9.9898873	10. 6608667
20	9.3295988	9.3397391	40	9.9898597	10. 6602609
21	9.3301761	9.3403441	39	9.9898320	10. 6596559
22	9.3307527	9.3409484	38	9.9898043	10. 6590516
23	9.3313285	9.3415519	37	9.9897766	10. 6584481
24	9.3319035	9.3421546	36	9.9897489	10. 6578454
25	9.3324777	9.3427566	35	9.9897211	10. 6572434
26	9.3330511	9.3433578	34	9.9896932	10. 6566422
27	9.3336237	9.3439583	33	9.9896654	10. 6560417
28	9.3341955	9.3445580	32	9.9896374	10. 6554420
29	9.3347665	9.3451570	31	9.9896095	10. 6548430
30	9.3353368	9.3457552	30	9.9895815	10. 6542448

Minut.	12. Grad. Log. Sin.	12. Grad. Log. Tang.	Minut.	77. Grad. Log. Sin.	77. Grad. Log. Tang.
30	9.3353368	9.3457552	30	9.9895815	10.6542448
31	9.3359062	9.3463527	29	9.9895535	10.6536473
32	9.3364749	9.3469494	28	9.9895254	10.6530506
33	9.3370428	9.3475454	27	9.9894973	10.6524546
34	9.3376099	9.3481407	26	9.9894692	10.6518593
35	9.3381762	9.3487352	25	9.9894410	10.6512648
36	9.3387418	9.3493290	24	9.9894128	10.6506710
37	9.3393065	9.3499220	23	9.9893845	10.6500780
38	9.3398706	9.3505143	22	9.9893562	10.6494857
39	9.3404338	9.3511059	21	9.9893279	10.6488941
40	9.3409963	9.3516968	20	9.9892995	10.6483032
41	9.3415580	9.3522869	19	9.9892711	10.6477131
42	9.3421190	9.3528763	18	9.9892427	10.6461237
43	9.3426792	9.3534650	17	9.9892142	10.6465350
44	9.3432386	9.3540530	16	9.9891856	10.6459470
45	9.3437973	9.3546402	15	9.9891571	10.6453598
46	9.3443552	9.3552267	14	9.9891285	10.6447733
47	9.3449124	9.3558127	13	9.9890998	10.6441874
48	9.3454688	9.3563977	12	9.9890711	10.6436023
49	9.3460245	9.3569821	11	9.9890424	10.6430179
50	9.3465794	9.3575658	10	9.9890137	10.6424342
51	9.3471336	9.3581487	9	9.9889849	10.6418513
52	9.3476870	9.3587310	8	9.9889560	10.6412690
53	9.3482397	9.3593126	7	9.9889271	10.6406874
54	9.3487917	9.3598935	6	9.9888982	10.6401065
55	9.3493429	9.3604736	5	9.9888693	10.6395264
56	9.3498934	9.3610531	4	9.9888403	10.6389469
57	9.3504432	9.3616319	3	9.9888113	10.6383681
58	9.3509922	9.3622100	2	9.9887822	10.6377900
59	9.3515405	9.3627874	1	9.9887531	10.6372126
60	9.3520880	9.3633641	0	9.9887239	10.6366359

Minut.	13. Grad. Log. Sin.	13. Grad. Log. Tang.	Minut.	76. Grad. Log. Sin.	76. Grad. Log. Tang.
0	9.3520880	9.3633641	60	9.9887239	10. 6366359
1	9.3526349	9.3639401	59	9.9886947	10. 6360599
2	9 3531810	9.3645155	58	9.9886655	10 6354845
3	9.3537264	9.3650901	57	9.9886363	10. 6349099
4	9.3542710	9.3656641	56	9.9886070	10. 6343359
5	9.3548150	9.3666274	55	9.9885776	10 6337626
6	9.3553582	9.3668100	54	9.9885482	10. 6331900
7	9.3559007	9.3673819	53	9.9885188	10. 6326181
8	9.3564426	9.3679532	52	9.9884894	10. 6320468
9	9.3569836	9.3685238	51	9.9884599	10. 6314762
10	9.3575240	9.3690937	50	9.9884303	10. 6309063
11	9.3580637	9.3696629	49	9.9884008	10. 6303371
12	9.3586027	9.3702315	48	9.9883712	10. 6297685
13	9.3591409	9.3707994	47	9.9883415	10. 6292006
14	9.3596785	9.3713667	46	9.9883118	10. 6286333
15	9.3602154	9.3719333	45	9.9882821	10. 6280667
16	9.3607515	9.3724992	44	9.9882523	10. 6275008
17	9.3612870	9.3730645	43	9.9882225	10. 6269355
18	9.3618217	9.3736291	42	9.9881927	10. 6263709
19	9.3623558	9.3741930	41	9.9881628	10. 6258070
20	9.3628892	9.3747563	40	9.9881329	10. 6252437
21	9.3634219	9.3753190	39	9.9881029	10. 6246810
22	9.3639539	9.3758810	38	9.9880729	10. 6241190
23	9.3644852	9.3764423	37	9.9880429	10. 6235577
24	9.3650158	9.3770030	36	9.9880128	10 6229970
25	9.3655458	9.3775631	35	9.9879827	10. 6224369
26	9.3660750	9.3781225	34	9.9879525	10. 6218775
27	9.3666036	9.3786813	33	9.9879223	10. 6213187
28	9.3671315	9.3792394	32	9.9878921	10 6207606
29	9.3676587	9.3797969	31	9.9878618	10. 6202031
30	9.3681853	9.3803537	30	9.9878315	10. 6196463

Minut.	13. Grad. Log. Sin.	Log. Tang.	Minut.	76. Grad. Log. Sin.	Log. Tang.
30	9.3681853	9.3803537	30	9.9878315	10. 6196463
31	9.3687111	9.3809100	29	9.9878012	10. 6190900
32	9.3692363	9.3814655	28	9.9877708	10. 6185345
33	9.3697608	9.3820205	27	9.9877404	10. 6179795
34	9.3702847	9.3825748	26	9 9877099	10. 6174252
35	9.3708079	9.3831285	25	9.9876794	10. 6168715
36	9.3713304	9.3836816	24	9.9876488	10. 6163184
37	9.3718523	9.3842340	23	9.9876183	10. 6157660
38	9.3723735	9.3847858	22	9 9875876	10. 6152142
39	9.3728940	9.3853370	21	9.9875570	10. 6146630
40	9.3734139	9.3858876	20	9.9875263	10. 6141124
41	9.3739331	9.3864376	19	9.9874955	10. 6135624
42	9.3744517	9.3869869	18	9.9874648	10. 6130131
43	9.3749696	9.3875356	17	9.9874339	10. 6124664
44	9.3754868	9.3880837	16	9.9874031	10. 6119163
45	9.3760034	9.3886312	15	9.9873722	10. 6113688
46	9.3765194	9.3891781	14	9.9873413	10. 6108219
47	9.3770347	9.3897244	13	9.9873103	10. 6102756
48	9.3775493	9.3902700	12	9.9872793	10. 6097300
49	9.3780633	9.3908151	11	9.9872482	10. 6091849
50	9.3785767	9.3913595	10	9.9872171	10. 6086405
51	9.3790894	9 3929034	9	9.9871860	10. 6080966
52	9.3796015	9.3924466	8	9.9871549	10. 6075534
53	9.3801129	9.3929893	7	9.9871236	10. 6070107
54	9.3806237	9.3935513	6	9.9870924	10. 6064687
55	9.3811339	9.3940727	5	9.9870611	10. 6059273
56	9.3816434	9.3946536	4	9.9870298	10. 6053864
57	9.3821523	9.3951538	3	9.9869984	10. 6048462
58	9.3826605	9.3956935	2	9.9869670	10. 6043065
59	9.3831682	9.3962326	1	9.9869356	10. 6037674
60	9.3836752	9.3967711	0	9.9869041	10. 6032289

Minut.	14. Grad. Log. Sin.	14. Grad. Log. Tang.	Minut.	75. Grad. Log. Sin.	75. Grad. Log. Tang.
0	9.3836752	9.3967711	60	9.9869041	10. 6032289
1	9.3841815	9.3973089	59	9.9868726	10. 6026911
2	9.3846873	9.3978463	58	9.9868410	10. 6021537
3	9.3851924	9.3983830	57	9.9868094	10. 6016170
4	9.3856969	9.3989191	56	9.9867778	10. 6010809
5	9.3862008	9.3994547	55	9.9867461	10. 6005453
6	9.3867040	9.3999896	54	9.9867144	16. 6000104
7	9.3872067	9.4005240	53	9.9866827	10. 5994760
8	9.3877087	9.4010578	52	9.9866509	10. 5989422
9	9.3882101	9.4015910	51	9.9866191	10. 5984090
10	9.3887109	9.4021237	50	9.9865872	10. 5978703
11	9.3892111	9.4026558	49	9.9865553	10. 5973442
12	9.3897106	9.4031873	48	9.9865233	10. 5968127
13	9.3902096	9.4037182	47	9.9864913	10. 5962818
14	9.3907079	9.4042486	46	9.9864593	10. 5957514
15	9.3912057	9.4047784	45	9.9864273	10. 5952216
16	9.3917028	9.4053076	44	9.9863952	10. 5946924
17	9.3921993	9.4058363	43	9.9863630	10. 5941637
18	9.3926952	9.4063644	42	9.9863308	10. 5936356
19	9.3931905	9.4068919	41	9.9862986	10. 5931081
20	9.3936852	9.4074189	40	9.9862663	10. 5925811
21	9.3941794	9.4079453	39	9.9862340	10. 5920547
22	9.3946729	9.4084712	38	9.9862017	10. 5915288
23	9.3951658	9.4089965	37	9.9861693	10. 5910035
24	9.3956581	9.4095212	36	9.9861369	10. 5904788
25	9.3961499	9.4100454	35	9.9861045	10. 5899546
26	9.3966410	9.4105690	34	9.9860720	10. 5894310
27	9.3971315	9.4110921	33	9.9860394	10. 5889079
28	9.3976215	9.4116146	32	9.9860069	10. 5883854
29	9.3981109	9.4121366	31	9.9859742	10. 5878634
30	6.3985996	9.4126581	30	9.9859416	10. 5873419

Minut.	14. Grad. Log. Sin.	Log. Tang.	Minut.	75. Grad. Log. Sin.	Log. Tang.
30	9.3985996	9.4126581	30	9.9859416	10.5873419
31	9.3990878	9.4131789	29	9.9859089	10.5868211
32	9.3995754	9.4136993	28	9.9858762	10.5863007
33	9.4000625	9.4142191	27	9.9858434	10.5857809
34	9.4005489	9.4147383	26	9.9858106	10.5852617
35	9.4010348	9.4152570	25	9.9857777	10.5847430
36	9.4015201	9.4157752	24	9.9857449	10.5842248
37	9.4020048	9.4162928	23	9.9857119	10.5837072
38	9.4024889	9.4168099	22	9.9856790	10.5831901
39	9.4029734	9.4173265	21	9.9856460	10.5826735
40	9.4034554	9.4178425	20	9.9856129	10.5821575
41	9.4039378	9.4183580	19	9.9855798	10.5816420
42	9.4044196	9.4188729	18	9.9855467	10.5811271
43	9.4049009	9.4193874	17	9.9855135	10.5806126
44	9.4053816	9.4199013	16	9.9854803	10.5800987
45	9.4058617	9.4204146	15	9.9854471	10.5795854
46	9.4063413	9.4209275	14	9.9854138	10.5790725
47	9.4068203	9.4214398	13	9.9853805	10.5785602
48	9.4072987	9.4219515	12	9.9853471	10.5780485
49	9.4077766	9.4224628	11	9.9853138	10.5775372
50	9.4082539	9.4229735	10	9.9852803	10.5770265
51	9.4087306	9.4234838	9	9.9852468	10.5765162
52	9.4092068	9.4239935	8	9.9852133	10.5760065
53	9.4096824	9.4245026	7	9.9851798	10.5754974
54	9.4101575	9.4250113	6	9.9851462	10.5749887
55	9.4106320	9.4255194	5	9.9851125	10.5744806
56	9.4111059	9.4260271	4	9.9850789	10.5739729
57	9.4115793	9.4265342	3	9.9850452	10.5734658
58	9.4120522	9.4270408	2	9.9850114	10.5729592
59	9.4125245	9.4275469	1	9.9849776	10.5724531
60	9.4129962	9.4280525	0	9.9849438	10.5719475

Minut.	15. Grad. Log. Sin.	Log. Tang.	Minut.	74. Grad. Log. Sin.	Log. Tang.
0	9.4129962	9.4280525	60	9.9849438	10.5719475
1	9.4134674	9.4285575	59	9.9849099	10.5714425
2	9.4139381	9.4290621	58	9.9848760	10.5709379
3	9.4144082	9.4295661	57	9.9848420	10.5704339
4	9.4148778	9.4300697	56	9.9848081	10.5699303
5	9.4153468	9.4305727	55	9.9847740	10.5694273
6	9.4158152	9.4310753	54	9.9847400	10.5689247
7	9.4162832	9.4315773	53	9.9847059	10.5684227
8	9.4167506	9.4320789	52	9.9846717	10.5679211
9	9.4172174	9.4325799	51	9.9846375	10.5674201
10	9.4176837	9.4330804	50	9.9846033	10.5669196
11	9.4181495	9.4335805	49	9.9845690	10.5664195
12	9.4186148	9.4340800	48	9.9845347	10.5659200
13	9.4190795	9.4345791	47	9.9845004	10.5654209
14	9.4195436	9.4350776	46	9.9844660	10.5649224
15	9.4200073	9.4355757	45	9.9844316	10.5644243
16	9.4204704	9.4360733	44	9.9843971	10.5639267
17	9.4209330	9.4365704	43	9.9833626	10.5634296
18	9.4213950	9.4370670	42	9.9843281	10.5629330
19	9.4218566	9.4375631	41	9.9842935	10.5624369
20	9.4223176	9.4380587	40	9.9842589	10.5619413
21	9.4227780	9.4385538	39	9.9842242	10.5614462
22	9.4232380	9.4390485	38	9.9841895	10.5609515
23	9.4236974	9.4395426	37	9.9841548	10.5604574
24	9.4241563	9.4400363	36	9.9841200	10.5599637
25	9.4246147	9.4405295	35	9.9840852	10.5594705
26	9.4250726	9.4410222	34	9.9840503	10.5589778
27	9.4255299	9.4415145	33	9.9840154	10.5584855
28	9.4259867	9.4420062	32	9.9839805	10.5579938
29	9.4264430	9.4424975	31	9.9839455	10.5575025
30	9.4268988	9.4429883	30	9.9839105	10.5570117

Minut.	15. Grad. Log. Sin.	15. Grad. Log. Tang.	Minut.	74. Grad. Log. Sin.	74. Grad. Log. Tang.
30	9.4268988	9.4429883	30	9.9839105	10 5570117
31	9.4273541	9.4434786	29	9.9838755	10 5565214
32	9.4278089	9.4439685	28	9.9838404	10. 5560315
33	9.4282631	9.4444579	27	9.9838052	10. 5555421
34	9.4287169	9.4449468	26	9.9837701	10. 5550532
35	9.4291701	9.4454352	25	9.9837348	10. 5545648
36	9.4296228	9.4459232	24	9.9836996	10. 5540768
37	9.4300750	9.4464817	23	9.9836643	10. 5535893
38	9.4305267	9.4468978	22	9.9836290	10 5531022
39	9.4309779	9.4473843	21	9.9835936	10. 5526157
40	9.4314286	9.4478704	20	9.9835582	10. 5521296
41	9.4318788	9.4483561	19	9.9835227	10. 5516439
42	9.4323285	9.4488413	18	9.9834872	10. 5511587
43	9.4327777	9.4493260	17	9.9834517	10. 5506740
44	9.4332264	9.4498102	16	9.9834161	10. 5501898
45	9.4336746	9.4502940	15	9.9833805	10. 5497060
46	9.4341223	9.4507774	14	9.9833449	10. 549222[illegible]
47	9.4345694	9.4512602	13	9.9833092	10. 548739[illegible]
48	9.4350161	9.4517427	12	9.9832735	10. 548257[illegible]
49	9.4354623	9.4522246	11	9.9832377	10. 547775[illegible]
50	9.4359080	9.4527061	10	9.9832019	10. 547293[illegible]
51	9.4363532	9.4531872	9	9.9831661	10. 546812[illegible]
52	9.4367980	9.4536678	8	9.9831302	10. 546332[illegible]
53	9.4372422	9.4541479	7	9.9830942	10. 545852
54	9.4376859	9.4546276	6	9.9830583	10. 545372
55	9.4381292	9.4550169	5	9.9830223	10. 544893
56	9.4385719	9.4555857	4	9.9829862	10. 544414
57	9.4390142	9.4560641	3	9.9829501	10. 543935
58	9.4394560	9.4565420	2	9.9829140	10. 543458
59	9.4398973	9.4570194	1	9.9828778	10. 542980
60	9.4403381	9.4574964	0	9.9828416	10. 542503

Minut.	16. Grad. Log. Sin.	16. Grad. Log. Tang.	Minut.	73. Grad. Log. Sin.	73. Grad. Log. Tang.
0	9.4403381	9.4574964	60	9.9828416	10.5425036
1	9.4407784	9.4579730	59	9.9828054	10.5420270
2	9.4412182	9.4584491	58	9.9827691	10.5415509
3	9.4416576	9.4589248	57	9.9827328	10.5410752
4	9.4420965	9.4594001	56	9.9826964	10.5405999
5	9.4425349	9.4598749	55	9.9826600	10.5401251
6	9.4429728	9.4603492	54	9.9826236	10.5396508
7	9.4434103	9.4608232	53	9.9825871	10.5391768
8	9.4438472	9.4612967	52	9.9825506	10.5387033
9	9.4442837	9.4617697	51	9.9825140	10.5382303
10	9.4447197	9.4622423	50	9.9824774	10.5377577
11	9.4451553	9.4627145	49	9.9824408	10.5372855
12	9.4455904	9.4631863	48	9.9824041	10.5368137
13	9.4460250	9.4636576	47	9.9823674	10.5363424
14	9.4463591	9.4641285	46	9.9823306	10.5358715
15	9.4468927	9.4645990	45	9.9822938	10.5354010
16	9.4473259	9.4650690	44	9.9822569	10.5349310
17	9.4477586	9.4655386	43	9.9822201	10.5344614
18	9.4481909	9.4660078	42	9.9821831	10.5339922
19	9.4486227	9.4664765	41	9.9821462	10.5335235
20	9.4490540	9.4669448	40	9.9821092	10.5330552
21	9.4494849	9.4674127	39	9.9820721	10.5325873
22	9.4499153	9.4678802	38	9.9820351	10.5321198
23	9.4503452	9.4683473	37	9.9819979	10.5316127
24	9.4507747	9.4688139	36	9.9819608	10.5311861
25	9.4512037	9.4692801	35	9.9819236	10.5307199
26	9.4516322	9.4697459	34	9.9818863	10.5302541
27	9.4520603	9.4702112	33	9.9818490	10.5297888
28	9.4524879	9.4706762	32	9.9818117	10.5293238
29	9.4529151	9.4711407	31	9.9817744	10.5288593
30	9.4533418	9.4716048	30	9.9817370	10.5283952

Minut.	16. Grad. Log. Sin.	16. Grad. Log. Tang.	Minut.	73. Grad. Log. Sin.	73. Grad. Log. Tang.
30	9.4533418	9.4716048	30	9.9817370	10. 5283952
31	9.4537681	9.4720685	29	9.9816995	10. 5279315
32	9.4541939	9.4725318	28	9.9816620	10. 5274682
33	9.4546192	9.4729947	27	9.9816245	10. 5270053
34	9.4550441	9.4734571	26	9.9815870	10. 5265428
35	9.4554686	9.4739192	25	9.9815494	10. 5260808
36	9.4558926	9.4743808	24	9.9815117	10. 5256192
37	9.4563161	9.4748421	23	9.9814740	10. 5251579
38	9.4567392	9.4753029	22	9.9814363	10. 5246971
39	9.4571618	9.4757633	21	9.9813986	10. 5242367
40	9.4575840	9.4762233	20	9.9813608	10. 5237767
41	9.4580058	9.4766829	19	9.9813229	10. 5233171
42	9.4584271	9.4771421	18	9.9812850	10. 5228579
43	9.4588480	9.4776009	17	9.9812471	10. 5223991
44	9.4592684	9.4780592	16	9.9812091	10. 5219408
45	9.4596884	9.4785172	15	9.9811711	10. 5214828
46	9.4601079	9.4789748	14	9.9811331	10. 5210252
47	9.4605270	9.4794319	13	9.9810950	10. 5205681
48	9.4609456	9.4798887	12	9.9810569	10. 5201113
49	9.4613638	9.4803451	11	9.9810187	10. 5196549
50	9.4617816	9.4808011	10	9.9809805	10. 5191989
51	9.4621989	9.4812566	9	9.9809423	10. 5187434
52	9.4626158	9.4817118	8	9.9809040	10. 5182882
53	9.4630323	9.4821666	7	9.9808657	10. 5178334
54	9.4634483	9.4826210	6	9.9808273	10. 5173790
55	9.4638639	9.4830750	5	9.9807889	10. 5169250
56	9.4642790	9.4835286	4	9.9807505	10. 5164714
57	9.4646938	9.4839818	3	9.9807120	10. 5160182
58	9.4651081	9.4844346	2	9.9806735	10. 5155654
59	9.4655219	9.4848870	1	9.9806349	10. 5151130
60	9.4659353	9.4853390	0	9.9805963	10. 5146610

Minut.	17. Grad. Log. Sin.	Log. Tang.	Minut.	72. Grad. Log. Sin.	Log. Tang.
0	9.4659353	9.4853390	60	9.9805963	10. 5146610
1	9.4663483	9.4857907	59	9.9805577	10. 5142093
2	9.4667609	9.4862419	58	9.9805190	10. 5137581
3	9.4671730	9.4866928	57	9.9804803	10. 5133072
4	9.4675848	9.4871433	56	9.9804415	10. 5128567
5	9.4679960	9.4875933	55	9.9804027	10. 5124067
6	9.4684069	9.4880430	54	9.9803639	10. 5119570
7	9.4688173	9.4884924	53	9.9803250	10. 5115076
8	9.4692273	9.4889413	52	9.9802860	10. 5110587
9	9.4696369	9.4893898	51	9.9802471	10. 5106102
10	9.4700461	9.4898380	50	9.9802081	10. 5101620
11	9.4704548	9.4902858	49	9.9801690	10. 5097142
12	9.4708631	9.4907332	48	9.9801299	10. 5092668
13	9.4712710	9.4911802	47	9.9800908	10. 5088198
14	9.4716785	9.4916269	46	9.9800516	10. 5083731
15	9.4720856	9.4920731	45	9.9800124	10. 5079269
16	9.4724922	9.4925190	44	9.9799732	10. 5074810
17	9.4728985	9.4929646	43	9.9799339	10. 5070354
18	9.4733043	9.4934097	42	9.9798946	10. 5065903
19	9.4737097	9.4938345	41	9.9798552	10. 5061455
20	9.4741146	9.4942988	40	9.9798158	10. 5057012
21	9.4745192	9.4947429	39	9.9797764	10. 5052571
22	9.4749234	9.4951865	38	9.9797369	10. 5048135
23	9.4753271	9.4956298	37	9.9796973	10. 5043702
24	9.4757304	9.4960827	36	9.9796578	10. 5039273
25	9.4761334	9.4965152	35	9.9796182	10. 5034848
26	9.4765359	9.4969574	34	9.9795785	10. 5030426
27	9.4769380	9.4973991	33	9.9795388	10. 5026009
28	9.4773396	9.4978406	32	9.9794991	10. 5021594
29	9.4777409	9.4982816	31	9.9794593	10. 5017184
30	9.4781418	9.4987223	30	9.9794195	10. 5012777

Minut.	17. Grad. Log. Sin.	Log. Tang.	Minut.	72. Grad. Log. Sin.	Log. Tang.
30	9.4781418	9.4987223	30	9.9794195	10. 5012777
31	9.4785423	9.4991626	29	9.9793796	10. 5008374
32	9.4789423	9.4996026	28	9.9793398	10. 5003974
33	9.4793420	9.5000422	27	9.9792998	10. 4999578
34	9.4797412	9.5004814	26	9.9792599	10. 4995186
35	9.4801401	9.5009203	25	9.9792198	10. 4990797
36	9.4805385	9.5013588	24	9.9791798	10. 4986412
37	9.4809366	9.5017969	23	9.9791397	10. 4982031
38	9.4813342	9.5022347	22	9.9790996	10. 4977653
39	9.4817315	9.5029721	21	9.9790594	10. 4973279
40	9.4821283	9.5031092	20	9.9790192	10. 4968908
41	9.4825248	9.5035459	19	9.9789789	10. 4964541
42	9.4829208	9.5039822	18	9.9789386	10. 4960178
43	9.4833165	9.5044182	17	9.9788983	10. 4955818
44	9.4837117	9.5048538	16	9.9788579	10. 4951462
45	9.4841066	9.5052891	15	9.9788175	10. 4947109
46	9.4845010	9.5057240	14	9.9787770	10. 4942760
47	9.4848951	9.5061586	13	9.9787365	10. 4938414
48	9.4852888	9.5065928	12	9.9786960	10. 4934072
49	9.4856820	9.5070267	11	9.9786554	10. 4929733
50	9.4860749	9.5074602	10	9.9786148	10. 4925398
51	9.4864674	9.5078933	9	9.9785741	10. 4921067
52	9.4868595	9.5083261	8	9.9785334	10. 4916739
53	9.4872512	9.5087586	7	9.9784927	10. 4912414
54	9.4876426	9.5091907	6	9.9784519	10. 4908093
55	9.4880335	9.5096224	5	9.9784111	10. 4903776
56	9.4884240	9.5100539	4	9.9783702	10. 4899461
57	9.4888142	9.5104849	3	9.9783293	10. 4895151
58	9.4892040	9.5109156	2	9.9782883	10. 4890844
59	9.4895934	9.5113460	1	9.9782474	10. 4886547
60	9.4899824	9.5117760	0	9.9782063	10. 4882240

Minut.	18. Grad.		Minut.	71. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.4899824	9.5117760	60	9.9782063	10. 4882240
1	9.4903710	9.5122057	59	9.9781653	10. 4877943
2	9.4907592	9.5126351	58	9.9781241	10. 4873649
3	9.4911471	9.5130641	57	9.9780830	10. 4869359
4	9.4915345	9.5134927	56	9.9780418	10. 4865073
5	9.4919216	9.5139210	55	9.9780006	10. 4860790
6	9.4923083	9.5143490	54	9.9779593	10. 4856510
7	9.4926946	9.5147766	53	9.9779180	10. 4852234
8	9.4930806	9.5152039	52	9.9778766	10. 4847961
9	9.4934661	9.5156309	51	9.9778353	10. 4643691
10	9.4938513	9.5160575	50	9.9777938	10. 4839425
11	9.4942361	9.5164838	49	9.9777523	10. 4835162
12	9.4946205	9.5169097	48	9.9777108	10. 4830903
13	9.4950046	9.5173353	47	9.9776693	10. 4826647
14	9.4953883	9.5177606	46	9.9776277	10. 4822394
15	9.4957716	9.5181855	45	9.9775860	10. 4918145
16	9.4961545	9.5186101	44	9.9775444	10. 4813899
17	9.4965370	9.5190344	43	9.9775026	10. 4809656
18	9.4969192	9.5194583	42	9.9774609	10. 4805417
19	9.4973010	9.5198819	41	9.9774191	10. 4801181
20	9.4976824	9.5203052	40	9.9773772	10. 4796948
21	9.4980635	9.5207282	39	9.9773354	10. 4792718
22	9.4984442	9.5211508	38	9.9772934	10. 4788492
23	9.4988245	9.5215730	37	9.9772515	10. 4784270
24	9.4992045	9.5219950	36	9.9772095	10. 4780050
25	9.4995840	9.5224166	35	9.9771674	10. 4773834
26	9.4999633	9.5228379	34	9.9771253	10. 4771621
27	9.5003421	9.5232589	33	9.9770832	10. 4767411
28	9.5007206	9.5236795	32	9.9770410	10. 4763205
29	9.5010987	9.5240999	31	9.9769988	10. 4759001
30	9.5014764	9.5245199	30	9.9769566	10. 4754801

Minut.	18. Grad. Log. Sin.	18. Grad. Log. Tang.	Minut.	71. Grad. Log. Sin.	71. Grad. Log. Tang.
30	9.5014764	9.5245199	30	9.9769566	10.4754801
31	9.5018538	9.5249395	29	9.9769134	10.4750605
32	9.5022308	9.5253589	28	9.9768720	10.4746411
33	9.5026075	9.5257779	27	9.9768296	10.4742221
34	9.5029838	9.5261966	26	9.9767872	10.4738034
35	9.5033597	9.5266150	25	9.9767447	10.4733850
36	9.5037353	9.5270331	24	9.9767022	10.4729669
37	9.5041105	9.5274508	23	9.9766597	10.4725492
38	9.5044853	9.5278682	22	9.9766171	10.4721318
39	9.5048598	9.5282853	21	9.9765745	10.4717147
40	9.5052339	9.5287021	20	9.9765318	10.4712979
41	9.5056077	9.5291186	19	9.9764891	10.4708814
42	9.5059811	9.5295347	18	9.9764464	10.4704653
43	9.5063542	9.5299505	17	9.9764036	10.4700495
44	9.5067268	9.5303661	16	9.9763608	10.4696339
45	9.5070992	9.5307813	15	9.9763179	10.4692187
46	9.5074712	9.5311961	14	9.9762750	10.4688039
47	9.5078428	9.5316107	13	9.9762321	10.4683893
48	9.5082141	9.5320250	12	9.9761891	10.4679750
49	9.5085850	9.5324389	11	9.9761461	10.4675611
50	9.5089556	9.5328526	10	9.9761030	10.4671474
51	9.5093258	9.5332659	9	9.9760599	10.4667341
52	9.5096956	9.5336789	8	9.9760167	10.4663211
53	9.5100651	9.5340916	7	9.9759736	10.4659084
54	9.5104343	9.5345040	6	9.9759303	10.4654960
55	9.5108031	9.5349161	5	9.9758870	10.4650839
56	9.5111716	9.5353278	4	9.9758437	10.4646722
57	9.5115397	9.5357393	3	9.9758004	10.4642607
58	9.5119074	9.5361505	2	9.9757570	10.4638495
59	9.5122749	9.5365613	1	9.9757135	10.4634387
60	9.5126419	9.5369719	0	9.9756701	10.4630281

Minut.	19. Grad. Log. Sin.	19. Grad. Log. Tang.	Minut.	70. Grad. Log. Sin.	70. Grad. Log. Tang.
0	9.5126419	9.5369719	60	9.9756701	10. 4630281
1	9.5130086	9.5373821	59	9.9756265	10. 4626179
2	9.5133750	9.5377920	58	9.9755830	10. 4622080
3	9.5137410	9.5382017	57	9.9755394	10. 4617983
4	9.5141067	9.5386110	56	9.9754957	10. 4613890
5	9.5144721	9.5390200	55	9.9754521	10. 4609800
6	9.5148371	9.5394287	54	9.9754083	10. 4605713
7	9.5152017	9.5398371	53	9.9743646	10. 4601629
8	9.5155660	9.5402453	52	9.9753208	10. 4597547
9	9.5159300	9.5406531	51	9.9752769	10. 4593469
10	9.5162936	9.5410606	50	9.9752330	10. 4589394
11	9.5166569	9.5414678	49	9.9751891	10. 4585322
12	9.5170198	9.5418747	48	9.9751458	10. 4581253
13	9.5173824	9.5422813	47	9.9751011	10. 4577187
14	9.5177447	9.5426877	46	9.9750570	10. 4573123
15	9.5181066	9.5430937	45	9.9750129	10. 4569063
16	9.5184682	9.5434994	44	9.9749688	10. 4565006
17	9.5188295	9.5439048	43	9.9749246	10. 4560952
18	9.5191904	9.5443100	42	9.9748804	10. 4556900
19	9.5195510	9.5447148	41	9.9748361	10. 4552852
20	9.5199112	9.5451193	40	9.9747918	10. 4548807
21	9.5202711	9.5455236	39	9.9747475	10. 4544764
22	9.5206307	9.5459276	38	9.9747031	10. 4540724
23	9.5209899	9.5463312	37	9.9746587	10. 4536688
24	9.5213488	9.5467346	36	9.9746142	10. 4532654
25	9.5217074	9.5471377	35	9.9745697	10. 4528623
26	9.5220656	9.5475405	34	9.9745252	10. 4524595
27	9.5224235	9.5479430	33	9.9744806	10. 4520570
28	9.5227811	9.5483452	32	9.9744359	10. 4516548
29	9.5231383	9.5487471	31	9.9743913	10. 4512529
30	9.5234953	9.5491487	30	9.9743466	10. 4508513

Minut.	19. Grad.		Minut.	70. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.5234953	9.5491487	30	9.9743466	10.4508513
31	9.5238518	9.5495500	29	9.9743018	10.4504500
32	9.5242081	9.5499511	28	9.9742570	10.4500489
33	9.5245640	9.5503519	27	9.9742122	10.4496481
34	9.5249196	9.5507523	26	9.9741673	10.4492477
35	9.5252749	9.5511525	25	9.9741224	10.4488475
36	9.5256298	9.5515524	24	9.9740774	10.4484476
37	9.5259844	9.5519521	23	9.9740324	10.4480479
38	9.5263387	9.5523514	22	9.9739873	10.4476486
39	9.5266927	9.5527504	21	9.9739422	10.4472496
40	9.5270463	9.5531492	20	9.9738971	10.4468508
41	9.5273997	9.5535477	19	9.9738519	10.4464523
42	9.5277526	9.5539459	18	9.9738067	10.4460541
43	9.5281053	9.5543438	17	9.9737615	10.4456562
44	9.5284577	9.5547415	16	9.9737162	10.4452585
45	9.4288097	9.5551388	15	9.9736709	10.4448612
46	9.5291614	9.5555359	14	9.9736255	10.4444641
47	9.5295128	9.5559327	13	9.9735801	10.4440673
48	9.5298638	9.5563292	12	9.9735346	10.4436708
49	9.5302146	9.5567255	11	9.9734891	10.4432745
50	9.5305650	9.5571214	10	9.9734435	10.4428786
51	9.5309151	9.5575171	9	9.9733980	10.4424829
52	9.5312649	9.5579125	8	9.9733523	10.4420875
53	9.5316143	9.5583077	7	9.9733067	10.441692
54	9.5319635	9.5587025	6	9.9732610	10.441297
55	9.5323123	9.5590971	5	9.9732152	10.440902
56	9.5326608	9.5594914	4	9.9731694	10.440508
57	9.5330090	9.5598854	3	9.9731236	10.440114
58	9.5333569	9.5602792	2	9.9730777	10.439720
59	9.5337044	9.5606747	1	9.9730318	10.439327
60	9.5340517	9.5610659	0	9.9729858	10.438934

Minut.	20. Grad. Log. Sin.	20. Grad. Log. Tang.	Minut.	69. Grad. Log. Sin.	69. Grad. Log. Tang.
0	9.5340517	9.5610659	60	9.9729858	10. 4389341
1	9.5343986	9.5614588	59	9.9729398	10. 4385412
2	9.5347452	9.5618515	58	9.9728938	10. 4381485
3	9.5350915	9.5622439	57	9 9728477	10. 4377561
4	9.5354375	9.5626360	56	9.9728016	10. 4373640
5	9.5357832	9.5630278	55	9.9727554	10. 4369722
6	9.5361286	9.5634194	54	9.9727092	10. 4365806
7	9.5364737	9.5638107	53	9.9726629	10. 4361893
8	9.5368184	9.5642018	52	9.9726166	10. 4357982
9	9.5371628	9.5645925	51	9.9725703	10. 4354075
10	9.5375069	9.5649831	50	9.9725239	16. 4350169
11	9.5378508	9.5653733	49	9.9724775	10. 4346267
12	9.5381943	9.5657633	48	9.9724310	10. 4342367
13	9.5385375	9.5661530	47	9.9723845	10. 4338470
14	9.5388804	9.5665424	46	9.9723380	10. 4334576
15	9.5392230	9.5669316	45	9.9722914	10. 4330684
16	9.5395653	9.5673205	44	9.9722448	10. 4326795
17	9.5399073	9.5677091	43	9.9721981	10. 4322909
18	9.5402489	9.5680975	42	9.9721514	10. 4319025
19	9.5405903	9.5684856	41	9.9721047	10. 4315144
20	9.5409314	9.5688735	40	9.9720579	10. 4311265
21	9.5412721	9.5692611	39	9.9720110	10. 4307389
22	9.5416126	9.5696484	38	9.9719642	10. 4303516
23	9.5419527	9.5700355	37	9.9719172	10. 4299645
24	9.5422926	9.5704223	36	9.9718703	10. 4295777
25	9.5426321	9.5708088	35	9.9718233	10. 4291912
26	9.5429713	9.5711951	34	9.9717762	10. 4288049
27	9.5333103	9.5715811	33	9.9717291	10. 4284189
28	9.5436489	9.5719669	32	9.9716820	10. 4280331
29	9.5439873	9.5723524	31	9.9716348	10. 4276476
30	9.5443253	9.5727377	30	9.9715876	10. 4272623

Minut.	20. Grad. Log. Sin.	20. Grad. Log Tang.	Minut.	69. Grad. Log. Sin.	69. Grad. Log. Tang.
30	9.5443253	9.5727377	30	9.9715876	10.4272623
31	9.5446630	9.5731227	29	9.9715404	10.4268773
32	9.5450005	9.5735074	28	9.9714931	10.4264926
33	9.5453376	9.5738919	27	9.9714457	10.4261081
34	9.5456745	9.5742761	26	9.9713984	10.4257239
35	9.5460110	9.5746601	25	9.9713509	10.4253399
36	9.5463472	9.5750438	24	9.9713035	10.4249562
37	9.5466832	9.5754272	23	9.9712560	10.4245728
38	9.5470189	9.5758104	22	9.9712084	10.4241896
39	9.5473542	9.5761934	21	9.9711608	10.4238066
40	9.5476893	9.5765761	20	9.9711132	10.4234239
41	9.5480240	9.5769585	19	9.9710655	10.4230415
42	9.5483585	9.5773407	18	9.9710178	10.4226593
43	9.5486927	9.5777226	17	9.9709701	10.4222774
44	9.5490266	9.5781043	16	9.9709223	10.4218957
45	9.5493602	9.5784858	15	9.9708744	10.4215142
46	9.5496935	9.5788669	14	9.9708265	10.4211331
47	9.5500265	9.5792479	13	9.9707786	10.4207521
48	9.5503592	9.5796286	12	9.9707306	10.4203714
49	9.5506916	9.5800090	11	9.9706829	10.4199910
50	9.5510237	9.5803892	10	9.9706346	10.4196108
51	9.5513556	9.5807691	9	9.9705865	10.4192309
52	9.5516871	9.5811488	8	9.9705383	10.4188512
53	9.5520184	9.5815282	7	9.9704902	10.4184718
54	9.5523494	9.5819074	6	9.9704419	10.4180926
55	9.5526801	9.5822864	5	9.9703937	10.4177136
56	9.5530105	9.5826651	4	9.9703454	10.4173349
57	9.5533406	9.5830435	3	9.9702970	10.4169565
58	9.5536704	9.5834217	2	9.9702486	10.4165783
59	9.5539999	9.5837997	1	9.9702002	10.4162003
60	9.5543292	9.5841774	0	9.9701517	10.4158226

Minut.	21. Grad. Log. Sin.	21. Grad. Log. Tang.	Minut.	68. Grad. Log. Sin.	68. Grad. Log. Tang.
0	9.5543292	9.5841774	60	9.9701517	10.4158226
1	9.5546581	9.5845549	59	9.9701032	10.4154451
2	9.5549868	9.5849321	58	9.9700547	10.4150679
3	9.5553152	9.5853091	57	9.9700061	10.4146909
4	9.5556433	9.5856859	56	9.9699074	10.4143141
5	9.5559711	9.5860624	55	9.9699087	10.4139376
6	9.5562987	9.5864380	54	9.9698600	10.4135614
7	9.5566259	9.5868147	53	9.9698112	10.4131853
8	9.5569529	9.5871904	52	9.9697624	10.4128096
9	9.5572796	9.5875660	51	9.9697136	10.4124340
10	9.5576060	9.5879413	50	9.9696647	10.4120587
11	9.5579321	9.5883163	49	9.9696158	10.4116837
12	9.5582579	9.5886912	48	9.9695668	10.4113088
13	9.5585835	9.5890057	45	9.9695177	10.4109343
14	9.5589088	9.5894401	46	9.9694687	10.4105599
15	9.5592338	9.5898142	47	9.9694196	10.4101858
16	9.5595585	9.5901881	44	9.9693704	10.4098119
17	9.5598829	9.5905617	43	9.9693212	10.4094383
18	9.5602071	9.5909351	42	9.9692720	10.4090649
19	9.5605310	9.5913082	41	9.9692227	10.4086918
20	9.5608546	9.5916812	40	9.9691734	10.4083188
21	9.5611779	9.5920539	39	9.9691240	10.4079461
22	9.5615010	9.5924263	38	9.9690746	10.4075737
23	9.5618237	9.5927975	37	9.9690252	10.407201[illegible]
24	9.5621462	9.5931705	36	9.9689757	10.406829[illegible]
25	9.5624685	9.5935422	35	9.9689262	10.406457[illegible]
26	9.5627904	9.5939138	34	9.9688766	10.406086[illegible]
27	9.5631121	9.5942851	33	9.9688270	10.405714[illegible]
28	9.5634335	9.5946561	32	9.9687773	10.405343[illegible]
29	9.5637546	9.5950269	31	9.9687276	10.404973[illegible]
30	9.5640754	9.5953975	30	9.9686779	10.404602[illegible]

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Minut.	21. Grad. Log. Sin.	21. Grad. Log. Tang.	Minut.	68. Grad. Log. Sin.	68. Grad. Log. Tang.
30	9.5640754	9.5953975	30	9.9686779	10. 4046025
31	9.5643960	9.5957679	29	9.9686281	10. 4042321
32	9.5647163	9 5961380	28	9.9685783	10. 4038620
33	9.5650363	9.5965079	27	9.9685284	10. 4034921
34	9.5653551	9.5968776	26	9.9684785	10. 4031224
35	9.5656756	9.5972470	25	9.9684286	10. 4027530
36	9.5659948	9.5976162	24	9.9683786	10. 4023838
37	9.5663137	9.5979052	23	9.9683285	10. 4020148
38	9.5666324	9.5983540	22	9.9682784	10. 4016460
39	9.5669508	9.5987225	21	9.9682283	10. 4012775
40	9.5672689	9.5990908	20	9 9681781	10. 4009092
41	9.5675868	9.5994588	19	6.9681279	10. 4005411
42	9.5679044	9.5998267	18	9.9680777	10. 4001733
43	9.5682217	9.6001943	17	9 9680274	10. 3998057
44	9.5685387	9 6005617	16	9.9679771	10. 3994383
45	9.5688555	9.6009289	15	9.9679267	10. 3990711
46	9.5691721	9.6012958	14	9.9678763	10. 3987042
47	9.5694883	9.6016625	13	9.9678258	10. 3983375
48	9.5698043	9.6020290	12	9.9677753	10. 3979710
49	9.5701200	9.6023953	11	9.9677247	10. 3976047
50	9.5704355	9.6027613	10	9 9676741	10. 3972387
51	9.5707506	9.6031271	9	9.9676235	10. 3968729
52	9 5710656	9.6034927	8	9.9675728	10. 3965073
53	9.5713802	9.6038581	7	9.9675221	10. 3961419
54	9.5716946	9.6042233	6	9.6674713	10. 3957767
55	9 5720087	9.6045882	5	9.9674205	10. 3954118
56	9.5723226	9.6049529	4	9 9673697	10. 3950471
57	9.5726362	9.6053174	3	9.9673188	10. 3946826
58	9.5729495	9.6056817	2	9.9672679	10. 3943183
59	9.5732626	9.6060457	1	9 9672169	10. 3939543
60	9.5735754	9.6064096	0	9.9671659	10. 3935904

N. 44.

Minut.	22. Grad. Log. Sin.	Log. Tang.	Minut.	67. Grad. Log. Sin.	Log. Tang.
0	9.5735754	9.6064096	60	9.9671659	10.3935904
1	9.5738880	9.6067766	59	9.9671148	10.3932268
2	9.5742003	9.6071362	58	9.9670637	10.3928634
3	9.5745123	9.6074997	57	9.9670125	10.3925003
4	9.5748240	9.6078627	56	9.9669614	10.3921373
5	9.5751356	9.6082254	55	9.9669101	10.3917740
6	9.5754468	9.6085880	54	9.9668588	10.3914120
7	9.5757578	9.6089503	53	9.9668075	10.3910497
8	9.5760685	9.6093124	52	9.9667562	10.3906870
9	9.5763790	9.6096742	51	9.9667048	10.3903258
10	9.5766892	9.6100359	50	9.9666533	10.3899641
11	9.5769991	9.6103973	49	9.9666018	10.3896027
12	9.5773008	9.6107580	48	9.9665503	10.3892414
13	9.5776183	9.6111196	47	9.9664987	10.3888804
14	9.5779275	9.6114804	46	9.9664471	10.3885196
15	9.5782364	9.6118409	45	9.9663954	10.3881591
16	9.5785450	9.6122013	44	9.9663437	10.3877987
17	9.5788535	9.6125615	43	9.9662920	10.3874385
18	9.5791616	9.6129214	42	9.9662402	10.3870786
19	9.5794695	9.6132812	41	9.9661884	10.3867188
20	9.5797772	9.6136407	40	9.9661365	10.3863593
21	9.5800845	9.6140009	39	9.9660846	10.3860000
22	9.5803917	9.6143591	38	9.9660326	10.3856409
23	9.5806986	9.6147180	37	9.9659806	10.3852820
24	9.5810052	9.6150766	36	9.9659285	10.3849234
25	9.5813116	9.6154351	35	9.9658764	10.3845649
26	9.5816177	9.6657934	34	9.9658243	10.3842066
27	9.5819236	9.6161514	33	9.9657721	10.3838480
28	9.5822292	9.6165093	32	9.9657199	10.3834907
29	9.5825345	9.6168669	31	9.9656677	10.3831331
30	9.5828397	9.6172243	30	9.9656153	10.3827757

Minut.	22. Grad. Log. Sin.	Log. Tang.	Minut.	67. Grad. Log. Sin.	Log. Tang.
30	9.5828397	9.6172243	30	9.9656153	10. 3827757
31	9.5831445	9.6175815	29	9.9655630	10 3824185
32	9.5834491	9.6179385	28	9.9655106	10. 3820615
33	9.5837535	9.6182953	27	9.9654582	10. 3817047
34	9.5840576	9.6186519	26	9.9654057	10. 3813481
35	9.5843615	9.6190083	25	9.9653532	10. 3809917
36	9.5846651	9.6193645	24	9.9653006	10. 3806355
37	9.5849685	9.6197205	23	9.9652480	10. 3802795
38	9.5852716	9.6200762	22	9.9651953	10. 3799238
39	9.5855745	9.6204318	21	9.9651426	10. 3795682
40	9.5858771	9.6207872	20	9.9650899	10 3792128
41	9.5861795	9.6211423	19	9.9650371	10. 3788577
42	9.5864816	9.6214973	18	9.9649843	10. 3785027
43	9.5867835	9.6218520	17	9.9649314	10. 3781480
44	9.5870851	9.6222066	16	9.9648785	10. 3777934
45	9.5873805	9.6225609	15	9.9648256	10. 3774391
46	9.5876876	9.6229150	14	9.9647726	10. 3770850
47	9.5879885	9.6232690	13	9.9647195	10. 3767310
48	9.5882892	9.6236227	12	9.9646665	10. 3763773
49	9.5885896	9.6239763	11	9.9646133	10. 3760237
50	9.5888897	9.6243296	10	9.9645602	10. 3756704
51	9.5891897	9.6246827	9	9.9645069	10. 3753173
52	9.5894893	9.6250356	8	9.9644537	10. 3749644
53	9.5897888	9.6253884	7	9.9644004	10. 3746116
54	9.5900880	9.6257409	6	9.9643470	10. 3742591
55	9.5903869	9.6260932	5	9.9642937	10. 3739068
56	9.5906856	9.6264454	4	9.9642402	10. 3735546
57	9.5909841	9.6267973	3	9.9641868	10. 3732027
58	9.5912823	9.6271491	2	9.9641332	10. 3728509
59	9.5915803	9.6275006	1	9.9640797	10. 3724994
60	9.5918780	9.6278519	0	9.9640261	10. 3721481

Minut.	23. Grad. Log. Sin.	23. Grad. Log. Tang.	Minut.	66 Grad. Log. Sin.	66 Grad. Log. Tang.
0	9.5918780	9.6278519	60	9.9640261	10. 3721481
1	9.5921755	9.6282031	59	9.9639724	10. 3717969
2	9.5924728	9.6285540	58	9.9639187	10. 3714460
3	9.5927698	9.6289048	57	9.9638650	10. 3710952
4	9.5930666	9.6292553	56	9.9638112	10. 3707447
5	9.5933631	9.6296057	55	9.9637574	10. 3703943
6	9.5936594	9.6299558	54	9.9637036	10. 3700442
7	9.5939555	9.6303058	53	9.9636496	10. 3696942
8	9.5942513	9.6306556	52	9.9635957	10. 3693444
9	9.5945469	9.6310052	51	9.9635417	10. 3689948
10	9.5948422	9.6313545	50	9.9634877	10. 3686455
11	9.5951373	9.6317037	49	9.9634336	10. 3682963
12	9.5954322	9.6320527	48	9.9633795	10. 3679473
13	9.5957268	9.6324015	47	9.9633253	10. 3675985
14	9.5960212	9.6327501	46	9.9632711	10. 3672499
15	9.5963154	9.6330985	45	9.9632168	10. 3669015
16	9.5966093	9.6334468	44	9.9631625	10. 3665532
17	9.5969030	9.6337948	43	9.9631082	10. 3662052
18	9.5971965	9.6341426	42	9.9630538	10. 3658574
19	9.5974897	9.6344903	41	9.9629994	10. 3655097
20	9.5977827	9.6348378	40	9.9629449	10. 3651622
21	9.5980754	9.6351850	39	9.9628904	10. 3648150
22	9.5983679	9.6355321	38	9.9628358	10. 3644679
23	9.5986602	9.6358790	37	9.9627812	10. 3641210
24	9.5989523	9.6362257	36	9.9627266	10. 3637743
25	9.5992441	9.6365722	35	9.9626719	10. 3634278
26	9.5995357	9.6369185	34	9.9626172	10. 3630815
27	9.5998271	9.6372646	33	9.9625624	10. 3627354
28	9.6001181	9.6376106	32	9.9625076	10. 3623894
29	9.6004090	9.6379563	31	9.9624527	10. 3620437
30	9.6006997	9.6383019	30	9.9623978	10. 3616981

Minut.	23. Grad. Log. Sin.	23. Grad. Log. Tang.	Minut.	66. Grad. Log. Sin.	66. Grad. Log. Tang.
30	9.6006997	9.6383019	30	9.9623978	10.3616981
31	9.6009901	9.6386473	29	9.9623428	10.3613527
32	9.6012803	9.6389925	28	9.9622478	10.3610075
33	9.6015703	9.6393375	27	9.9622328	10.3606625
34	9.6018600	9.6396823	26	9.9621777	10.3603177
35	9.6021495	9.6400269	25	9.9621226	10.3599731
36	9.6024388	9.6403714	24	9.9620674	10.3596286
37	9.6037278	9.6407156	23	9.9620122	10.3592844
38	9.6031166	9.6410597	22	9.9619569	10.3589403
39	9.6033052	9.6414036	21	9.9619016	10.3585964
40	9.6035936	9.6417473	20	9.9618463	10.3582527
41	9.6038817	9.6420908	19	9.9617909	10.3579092
42	9.6041696	9.6424342	18	9.9617355	10.3575658
43	9.6044573	9.6427773	17	9.9616800	10.3572227
44	9.6047448	9.6431203	16	9.9616245	10.3568797
45	9.6050320	9.6434631	15	9.9615989	10.3565369
46	9.6053190	9.6438057	14	9.9615133	10.3561943
47	9.6056057	9.6441481	13	9.9614576	10.3558519
48	9.6058923	9.6444903	12	9.9614020	10.3555097
49	9.6061786	9.6448324	11	9.9613463	10.3551676
50	9.6064677	9.6451743	10	9.9612904	10.3548257
51	9.6067506	9.6455160	9	9.9612346	10.3544840
52	9.6070362	9.6458575	8	9.9611787	10.3541425
53	9.6073216	9.6461988	7	9.9611228	10.3538012
54	9.6076068	9.6465400	6	9.9610668	10.3534600
55	9.6078918	9.6468810	5	9.9610108	10.3531190
56	9.6081765	9.6472217	4	9.9609548	10.3527783
57	9.6084611	9.6475624	3	9.9608987	10.3524376
58	9.6087454	9.6479028	2	9.9608426	10.3520972
59	9.6090294	9.6482431	1	9.9607864	10.3517569
60	9.6093133	9.6485831	0	9.9607302	10.3514169

Minut.	24. Grad.		Minut.	65. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.6093133	9.6485831	60	9.9607302	10. 3514169
1	9.6095969	9.6489230	59	9.9606739	10. 3510770
2	9.6098803	9.6492628	58	9.9606176	10. 3507372
3	9.6101635	9.6496023	57	9.9605612	10. 3503977
4	9.6104465	9.6499417	56	9.9605048	10. 3500583
5	9.6107293	9.6502809	55	9.9604484	10. 3497191
6	9.6110118	9.6506199	54	9.9603919	10. 3493801
7	9.6112941	9.6509587	53	9.9603354	10. 3490413
8	9.6115762	9.6512974	52	9.9602788	10. 3487026
9	9.6118580	9.6516359	51	9.9602222	10. 3483641
10	9.6121397	9.6519742	50	9.9601655	10. 3480258
11	9.6124211	9.6523123	49	9.9601088	10. 3476877
12	9.6127023	9.6526503	48	9.9600520	10. 3473497
13	9.6129833	9.6529881	47	9.9599952	10. 3470119
14	9.6132641	9.6533257	46	9.9599384	10. 3466743
15	9.6135446	9.6536631	45	9.9598815	10. 3463369
16	9.6138250	9.6540004	44	9.9598246	10. 3459996
17	9.6141051	9.6543375	43	6.9597676	10. 3456625
18	9.6143850	9.6546744	42	9.9597106	10. 3453256
19	9.6146647	9.6550112	41	9.9596535	10. 3449888
20	9.6149441	9.6553477	40	9.9565964	10. 3446523
21	9.6152234	9.6556841	39	9.9595393	10. 3443159
22	9.6155024	9.6560204	38	9.9594821	10. 3439796
23	9.6157812	9.6563564	37	9.9594248	10. 3436436
24	9.6160598	9.6566923	36	9.9593675	10. 4333077
25	9.6163382	9.6570280	35	9.9593102	10. 3429720
26	9.6166164	9.6573636	34	9.5992528	10. 3426364
27	9.6168944	9.6576989	33	9.9591954	10. 3423011
28	9.6171721	9.6580441	32	9.9591380	10. 3419659
29	9.6174496	9.6583692	31	9.9590805	10. 3416308
30	9.6177270	9.6587041	30	9.9590229	10. 3412960

Minut.	24. Grad.		Minut.	65. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.6177270	9.6587041	30	9.9590229	10. 3412960
31	9.6180041	9.6590387	29	9.9589653	10. 3409613
32	9.6182809	9.6593733	28	9.9589077	10. 3406267
33	9.6185576	9.6597076	27	9.9588500	10. 3402924
34	9.6188341	9.6600418	26	9.9587923	10. 3399582
35	9.6191103	9.6603758	25	9.9587345	10. 3396242
36	9.6193864	9.6608097	24	9.9586767	10. 3392903
37	9.6196622	9.6610434	23	9.9586188	10. 3389566
38	9.6199378	9.6613769	22	9.9585609	10. 3386231
39	9.6202132	9.6617103	21	9.9585030	10. 3382897
40	9.6204884	9.6620434	20	9.9584450	10. 3379566
41	9.6207635	9.6623765	19	9.9583869	10. 3376235
42	9.6210382	9.6627093	18	9.9583288	10. 3372907
43	9.6213127	9.6630420	17	9.9582707	10. 3369580
44	9.6215871	9.6633745	16	9.9582125	10. 3366255
45	9.6218612	9.6637069	15	9.9581543	10. 3362931
46	9.6221351	9.6640391	14	9.9580961	10. 3359609
47	9.6224088	9.6643711	13	9.9580378	10. 3356289
48	9.6226824	9.6647030	12	9.9579794	10. 3352970
49	9.6229557	9.6650346	11	9.9579210	10. 3349654
50	9.6232287	9.6653662	10	9.9578626	10. 3346338
51	9.6235016	9.6656975	9	9.9578041	10. 3343025
52	9.6237743	9.6660288	8	9.9577456	10. 3339712
53	9.6240467	9.6663598	7	9.9576870	10. 3336402
54	9.6243190	9.6666907	6	9.9576284	10. 3333093
55	9.6245911	9.6670214	5	9.9575697	10. 3329786
56	9.6248629	9.6673519	4	9.9575110	10. 3326481
57	9.6251346	9.6676823	3	9.9574522	10. 3323177
58	9.6254060	9.6680126	2	9.9573934	10. 3319874
59	9.6256772	9.6683426	1	9.9573346	10. 3316574
60	9.6259483	9.6686725	0	9.9572757	10. 3313275

Minut.	25. Grad.		Minut.	64. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.6259483	9.6686725	60	9.9572757	10. 3313275
1	9.6262191	9.6690023	59	9.9572168	10. 3309977
2	9.6264897	9.6693319	58	9.9571578	10. 3306681
3	9.6267601	9.6696013	57	9.9570988	10. 3303387
4	9.6270303	9.6699900	56	9.9570397	10. 3300094
5	9.6273003	9.6703197	55	9.9569806	10. 3296803
6	9.6275701	9.6706486	54	9.9569215	10. 3293514
7	9.6278397	9.6709774	53	9.9568623	10. 3290226
8	9.6281090	9.6713060	52	9.9568030	10. 3286940
9	9.6283782	9.6716345	51	9.9567437	10. 3283655
10	9.6286472	9.6719620	50	9.9566844	10. 3280372
11	9.6289160	9.6722910	49	9.9566250	10. 3277090
12	9.6291845	9.6726190	48	9.9565656	10. 3273810
13	9.6294529	9.6729468	47	9.9565061	10. 3270532
14	9.6297211	9.6732745	46	9.9564466	10. 3267255
15	9.6299890	9.6736020	45	9.9563870	10. 3263980
16	9.6302568	9.6739294	44	9.9563274	10. 3260706
17	9.6305243	9.6742566	43	9.9562678	10. 3257434
18	9.6307917	9.6745836	42	9.9562081	10. 3254164
19	9.6310589	9.6749105	41	9.9561483	10. 3250895
20	9.6313258	9.6752372	40	9.9560886	10. 3247628
21	9.6315926	9.6755638	39	9.9560287	10. 3244362
22	9.6318591	9.6758902	38	9.9559689	10. 3241097
23	9.6321255	9.6762165	37	9.9559089	10. 3237835
24	9.6323916	9.6765426	36	9.9558490	10. 3234574
25	9.6326576	9.6768686	35	9.9557890	10. 3231314
26	9.6329233	9.6771944	34	9.9557289	10. 3228056
27	9.6331889	9.6775201	33	9.9556688	10. 3224799
28	9.6334542	9.6778456	32	9.9556087	10. 3221544
29	9.6337194	9.6781709	31	9.9555485	10. 3218291
30	9.6339844	9.6784961	30	9.9554882	10. 3215039

Minut.	26. Grad. Log. Sin.	Log. Tang.	Minut.	63. Grad. Log. Sin.	Log. Tang.
30	9.6495274	9.6977363	30	9.9517912	10. 3022637
31	9.6497807	9.6980526	29	9.9517282	10. 3019474
32	9.6500338	9.6983687	28	9.9516651	10. 3016313
33	9.6502868	9.6986847	27	9.9516020	10. 3013153
34	9.6505395	9.6990006	26	9.9515389	10. 3009994
35	9.6507920	9.6993164	25	9.9514757	10. 3006836
36	9.6510444	9.6996320	24	9.9514124	10. 3003680
37	9.6512966	9.6999474	23	9.9513492	10. 3000526
38	9.6515486	9.7002628	22	9.9512858	10. 2997372
39	9.6518004	9.7005780	21	9.9512224	10. 2994220
40	9.6520521	9.7008930	20	9.9511590	10. 2991070
41	9.6523035	9.7012080	19	9.9510956	10. 2987920
42	9.6525548	9.7015227	18	9.9510320	10. 2984773
43	9.6528059	9.7018374	17	9.9509685	10. 2981626
44	9.6530568	9.7021519	16	9.9509049	10. 2978481
45	9.6533075	9.7024663	15	9.9508412	10. 2975337
46	9.6535581	9.7027805	14	9.9507775	10. 2972195
47	9.6538084	9.7030946	13	9.9507138	10. 2969054
48	9.6540586	9.7034086	12	9.9506500	10. 2965914
49	9.6543086	9.7037225	11	9.9505861	10. 2962775
50	9.6545584	9.7040362	10	9.9505223	10. 2959638
51	9.6548081	9.7043497	9	9.9504583	10. 2956503
52	9.6550575	9.7046632	8	9.9503944	10. 2953368
53	9.6553068	9.7049765	7	9.9503303	10. 2950235
54	9.6555559	9.7052897	6	9.9502663	10. 2947103
55	9.6558048	9.7056027	5	9.9502022	10. 2943973
56	9.6560536	9.7059156	4	9.9501380	10. 2940844
57	9.6563021	9.7062284	3	9.9500738	10. 2937716
58	9.6565505	9.7065410	2	9.9500095	10. 2934590
59	9.6567987	9.7068535	1	9.9499452	10. 2931465
60	9.6570468	9.7071659	0	9.9498809	10. 2928341

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Minut.	27. Grad. Log. Sin.	Log. Tang.	Minut.	62. Grad. Log. Sin.	Log. Tang.
0	9.6570468	9.7071659	60	9.9498809	10. 2928341
1	9.6572946	9.7074781	59	9.9498165	10. 2925219
2	9.6575423	9.7077902	58	9.9497521	10. 2922098
3	9.6577898	9.7081022	57	9.9496876	10 2918978
4	9.6580371	9.7084141	56	9.9496230	10. 2915859
5	9.6582842	9.7087258	55	9.9495585	10. 2912742
6	9.6585312	9.7090374	54	9.9494938	10. 2909626
7	9.6587780	9.7093488	53	9.9494292	10. 2906512
8	9.6590246	9.7096601	52	9.9493645	10. 2903399
9	9.6592710	9.7099713	51	9.9492997	10. 2900287
10	9.6595173	9.7102824	50	9.9492349	10. 2897176
11	9.6597634	9.7105933	49	9.9491700	10. 2894067
12	9.6600093	9.7109041	48	9.9491051	10. 2890959
13	9.6602550	9.7112148	47	9.9490402	10. 2887852
14	9.6605005	9.7115254	46	9.9489752	10. 2884746
15	9.6607459	9.7118358	45	9.9489101	10. 2881642
16	9.6609911	9.7121461	44	9.9488450	10. 2878539
17	9.6612361	9.7124562	43	9.9487799	10. 2875438
18	9.6614810	9.7127662	42	9.9487147	10. 2872338
19	9.6617257	9.7130761	41	9.9486495	10. 2869239
20	9.6619701	9.7133859	40	9.9485842	10. 2866141
21	9.6622145	9.7136956	39	9.9485189	10. 2863044
22	9.6624586	9.7140051	38	9.9484535	10. 2859949
23	9.6627026	9.7143145	37	9.9483881	10. 2856855
24	9.6629464	9.7146237	36	9 9483227	10. 2853763
25	9.6631900	9.7149329	35	9.9482572	10. 2850671
26	9.6634335	9.7152419	34	9.9481916	10. 2847581
27	9.6636768	9.7155508	33	9.9481260	10. 2844492
28	9.6639199	9.7158595	32	9.9480604	10. 2841405
29	9.6641628	9.7161682	31	9.9479947	10. 2838318
30	9.6644056	9.7164767	30	9.9479289	10. 2835233

Minut.	27. Grad. Log. Sin.	27. Grad. Log. Tang.	Minut.	62. Grad. Log. Sin.	62. Grad. Log. Tang.
30	9.6644056	9.7164767	30	9.9479289	10.2835233
31	9.6646482	9.7167851	29	9.9478631	10.2832149
32	9.6648906	9.7170933	28	9.9477973	10.2829067
33	9.6651329	9.7174014	27	9.9477314	10.2825986
34	9.6653749	9.7177094	26	9.9476655	10.2822906
35	9.6656168	9.7180173	25	9.9475995	10.2819827
36	9.6658586	9.7183251	24	9.9475335	10.2816749
37	9.6661001	9.7186327	23	9.9474674	10.2813673
38	9.6663415	9.7189402	22	9.9474013	10.2810598
39	9.6665828	9.7192476	21	9.9473352	10.2807524
40	9.6668238	9.7195549	20	9.9472689	10.2804451
41	9.6670647	9.7198620	19	9.9472027	10.2801380
42	9.6673054	9.7201690	18	9.9471364	10.2798310
43	9.6675459	9.7204759	17	9.9470700	10.2795241
44	9.6677863	9.7205827	16	9.9470036	10.2792173
45	9.6680265	9.7210893	15	9.9469372	10.2789107
46	9.6682665	9.7213958	14	9.9468707	10.2786042
47	9.6685064	9.7217022	13	9.9468042	10.2782978
48	9.6687461	9.7220085	12	9.9467376	10.2779915
49	9.6689856	9.7223147	11	9.9466710	10.2776853
50	9.6692250	9.7226207	10	9.9466043	10.2773793
51	9.6694642	9.7229266	9	9.9465376	10.2770734
52	9.6697032	9.7232324	8	9.9464708	10.2767676
53	9.6699420	9.7235381	7	9.9464040	10.2764619
54	9.6701807	9.7238436	6	9.9463371	10.2761564
55	9.6704192	9.7241490	5	9.9462702	10.2758510
56	9.6706576	9.7244543	4	9.9462032	10.2755457
57	9.6708958	9.7247595	3	9.9461362	10.2752405
58	9.6711338	9.7250646	2	9.9460692	10.2749354
59	9.6713716	9.7253695	1	9.9460021	10.2746305
60	9.6716093	9.7256744	0	9.9459349	10.2743256

Minut.	28. Grad. Log. Sin.	28. Grad. Log. Tang.	Minut.	61. Grad. Log. Sin.	61. Grad. Log. Tang.
0	9.6716093	9.7256744	60	9.9459349	10. 2743256
1	9.6718468	9.7259791	59	9.9458677	10. 2740209
2	9.6720841	9.7262837	58	9.9458005	10. 2737163
3	9.6723213	9.7265881	57	9.9457332	10. 2734119
4	9.6725583	9.7268925	56	9.9456659	10. 2731075
5	9.6727952	9.7271967	55	9.9455985	10. 2728033
6	9.6730319	9.7275008	54	9.9455310	10. 2724992
7	9.6732684	9.7278048	53	9.9454636	10. 2721952
8	9.6735047	9.7281087	52	9.9453960	10. 2718913
9	9.6737409	9.7284124	51	9.9453285	10. 2715876
10	9.6739769	9.7287161	50	9.9452609	10. 2712839
11	9.6742128	9.7290196	49	9.9451932	10. 2709804
12	9.6744485	9.7293230	48	9.9451255	10. 2706770
13	9.6746840	9.7296263	47	9.9450577	10. 2703737
14	9.6749194	9.7299295	46	9.9449899	10. 2700705
15	9.6751546	9.7302325	45	9.9449220	10. 2697675
16	9.6753896	9.7305354	44	9.9448541	10. 2694646
17	9.6756245	9.7308383	43	9.9447862	10. 2691617
18	9.6758592	9.7311410	42	9.9447182	10. 2688590
19	9.6760937	9.7314436	41	9.9446501	10. 2585564
20	9.6763281	9.7317460	40	9.9445821	10. 2682540
21	9.6765623	9.7320484	39	9.9445139	10. 2679516
22	9.6767963	9.7323506	38	9.9444457	10. 2676494
23	9.6770302	9.7326527	37	9.9443775	10. 2673473
24	9.6772640	9.7329547	36	9.9443092	10. 2670453
25	9.6774975	9.7332566	35	9.9442409	10. 2667434
26	9.6777309	9.7335584	34	9.9441725	10. 2664416
27	9.6779642	9.7338601	33	9.9441041	10. 2661399
28	9.6781972	9.7341616	32	9.9440356	10. 2658384
29	9.6784301	9.7344631	31	9.9439671	10. 2655369
30	9.6786629	9.7347644	30	9.9438985	10. 2652356

Minut.	28. Grad. Log. Sin.	Log. Tang.	Minut.	61. Grad. Log. Sin.	Log. Tang.
30	9.6786529	9.7347644	30	9.9438985	10. 2652356
31	9.6788955	9.7350656	29	9.9438299	10. 2649344
32	9.6791279	9.7353667	28	9.9437612	10. 2646333
33	9.6793602	9.7356677	27	9.9436925	10. 2643323
34	9.6795923	9.7359685	26	9.9436238	10. 2640315
35	9.6798243	9.7362693	25	9.9435549	10. 2637307
36	9.6800860	9.7365699	24	9.9434861	10. 2634301
37	9.6802877	9.7368705	23	9.9434172	10. 2631295
38	9.6805191	9.7371709	22	9.9433482	10. 2628291
39	9.6807504	9.7374712	21	9.9432792	10. 2625288
40	9.6809816	9.7377714	20	9.9432102	10. 2622286
41	9.6812126	9.7380715	19	9.9431411	10. 2619285
42	9.6814434	9.7383714	18	9.9430720	10. 2616286
43	9.6816741	9.7386713	17	9.9430028	10. 2613287
44	9.6819046	9.7389710	16	9.9429335	10. 2610290
45	9.6821349	9.7392707	15	9.9428643	10. 2607293
46	9.6823651	9.7395702	14	9.9427949	10. 2604298
47	9.6825952	9.7398696	13	9.9427255	10. 2601304
48	9.6828250	9.7401689	12	9.9426561	10. 2598311
49	9.6830548	9.7404681	11	9.9425866	10. 2595319
50	9.6832843	9.7407672	10	9.9425171	10. 2592328
51	9.6835137	9.7410682	9	9.9424476	10. 2589338
52	9.6837430	9.7413650	8	9.9423779	10. 2586350
53	9.6839720	9.7416638	7	9.9423083	10. 2583362
54	9.6842010	9.7419624	6	9.9422386	10. 2580376
55	9.6844297	9.7422609	5	9.9421688	10. 2577391
56	9.6846583	9.7425594	4	9.9420990	10. 2574406
57	9.6848868	9.7428577	3	9.9420291	10. 2571423
58	9.6851151	9.7431559	2	9.9419592	10. 2568441
59	9.6853432	9.7434540	1	9.9418893	10. 2565460
60	9.6855712	9.7437520	0	9.9418193	10. 2562480

Minut.	29. Grad. Log. Sin.	Log Tang.	Minut.	60. Grad. Log. Sin.	Log. Tang.
0	9.6855712	9.7437520	60	9.9418193	10.2562480
1	9.6857991	9.7440499	59	9.9417492	10.2559501
2	9.6860267	9.7443476	58	9.9416791	10.2556524
3	9.6862542	9.7446453	57	9.9416090	10.2553547
4	9.6864816	9.7449428	56	9.9415388	10.2550572
5	9.6867088	9.7452403	55	9.9414685	10.2547597
6	9.6869359	9.7455376	54	9.9413982	10.2544624
7	9.6871628	9.7458349	53	9.9413279	10.2541651
8	9.6873895	9.7461320	52	9.9412575	10.2538680
9	9.6876161	9.7464290	51	9.9411871	10.2535710
10	9.6878425	9.7467259	50	9.9411166	10.2532741
11	9.6880688	9.7470227	49	9.9410461	10.2529773
12	9.6882949	9.7473194	48	9.9409755	10.2526806
13	9.6885209	9.7476160	47	9.9409048	10.2523840
14	9.6887467	9.7479125	46	9.9408342	10.2520875
15	9.6889723	9.7482089	45	9.9407634	10.2517911
16	9.6891978	9.7485052	44	9.9406927	10.2514948
17	9.6894232	9.7488013	43	9.9406219	10.2511987
18	9.6896484	9.7490974	42	9.9405510	10.2509026
19	9.6898734	9.7493934	41	9.9404801	10.2506066
20	9.6900983	9.7496892	40	9.9404091	10.2503108
21	9.6903231	9.7499850	39	9.9403381	10.2500150
22	9.6905476	9.7502806	38	9.9402670	10.2497194
23	9.6907721	9.7505762	37	9.9401959	10.2494238
24	9.6909964	9.7508716	36	9.9401248	10.2491284
25	9.6912205	9.7511669	35	9.9400535	10.2488331
26	9.6914445	9.7514622	34	9.9399823	10.2485378
27	9.6916683	9.7517573	33	9.9399110	10.2482427
28	9.6918919	9.7520523	32	9.9398396	10.2479477
29	9.6921155	9.7523472	31	9.9397682	10.2476528
30	9.6923388	9.7526420	30	9.9396968	10.2473580

N. 59.

Minut.	29. Grad.		Minut.	60. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.6923388	9.7526420	30	9.9396968	10. 2473580
31	9.6925620	9.7529368	29	9.9396253	10. 2470632
32	9.6927851	9.7532314	28	9.9395537	10. 2467686
33	9.6930080	9.7535259	27	9.9394821	10. 2464741
34	9.6932308	9.7538203	26	9.9394105	10. 2461797
35	9.6934534	9.7541146	25	9.9393388	10. 2458854
36	9.6936758	9.7544088	24	9.9392671	10. 2455912
37	9.6938981	9.7547029	23	9.9391953	10. 2452971
38	9.6941203	9.7549969	22	9.9391234	10. 2450031
39	9.6943423	9.7552908	21	9.9390515	10. 2447092
40	9.6945642	9.7555846	20	9.9389796	10. 2444154
41	9.6947859	9.7558783	19	9.9389076	10. 2441217
42	9.6950074	9.7561718	18	9.9388356	10. 2438282
43	9.6952288	9.7564653	17	9.9387635	10. 2435737
44	9.6954501	9.7567587	16	9.9386914	10. 2432413
45	9.6956712	9.7570520	15	9.9386192	10. 2429480
46	9.6958922	9.7573452	14	9.9385470	10. 2426548
47	9.6961130	9.7576383	13	9.9384747	10. 2423617
48	9.6963336	9.7579313	12	9.9384024	10. 2420687
49	9.6965541	9.7582242	11	9.9383300	10. 2417758
50	9.6967745	9.7585170	10	9.9382976	10. 2414830
51	9.6969947	9.7588096	9	9.9381851	10. 2411904
52	9.6972148	9.7591022	8	9.9381126	10. 2408978
53	9.6974347	9.7593947	7	9.9380400	10. 2406053
54	9.6976545	9.7596871	6	9.9379674	10. 2403129
55	9.6978741	9.7599794	5	9.9378947	10. 2400206
56	9.6980936	9.7602716	4	9.9378220	10. 2397284
57	9.6983129	9.7605637	3	9.9377492	10. 2394363
58	9.6985321	9.7608557	2	9.9376764	10. 2391443
59	9.6987511	9.7611476	1	9.9376035	10. 2388524
60	9.6989700	9.7614394	0	9.9375306	10. 2385606

N. 60.

Minut.	30. Grad. Log. Sin.	Log. Tang.	Minut.	59. Grad. Log. Sin.	Log. Tang.
0	9.6989700	9.7614394	60	9.9375306	10.2385606
1	9.6991887	9.7617311	59	9.9374577	10.2382689
2	9.6994073	9.7620227	58	9.9373847	10.2379773
3	9.6996258	9.7623142	57	9.9373116	10.2376858
4	9.6998441	9.7626056	56	9.9372385	10.2373944
5	9.7000622	9.7628969	55	9.9371653	10.2371031
6	9.7002802	9.7631881	54	9.9370921	10.2368119
7	9.7004981	9.7634792	53	9.9370189	10.2365208
8	9.7007158	9.7637702	52	9.9369456	10.2362298
9	9.7009334	9.7640612	51	9.9368722	10.2359388
10	9.7011508	9.7643520	50	9.9367988	10.2356480
11	9.7013681	9.7646427	49	9.9367254	10.2353573
12	9.7015852	9.7649334	48	9.9366519	10.2350666
13	9.7018022	9.7652239	47	9.9365783	10.2347761
14	9.7020190	9.7655143	46	9.9365047	10.2344857
15	9.7022357	9.7658047	45	9.9364311	10.2341953
16	9.7024523	9.7660949	44	9.9363574	10.2339051
17	9.7026687	9.7663851	43	9.9362836	10.2336149
18	9.7028849	9.7666781	42	9.9362098	10.2333249
19	9.7031011	9.7669651	41	9.9361360	10.2330349
20	9.7033170	9.7672550	40	9.9360621	10.2327450
21	9.7035329	9.7675448	39	9.9359881	10.2324552
22	9.7037486	9.7678344	38	9.9359141	10.2321656
23	9.7039641	9.7681240	37	9.9358401	10.2318760
24	9.7041795	9.7684135	36	9.9357660	10.2315865
25	9.7043947	9.7687029	35	9.9356918	10.2312971
26	9.7046099	9.7689922	34	9.9356177	10.2310078
27	9.7048248	9.7692814	33	9.9355434	10.2307186
28	9.7050397	9.7695705	32	9.9354691	10.2304295
29	9.7052543	9.7698596	31	9.9353948	10.2301404
30	9.7054689	9.7701485	30	9.9353204	10.2298515

Minut.	30. Grad.		Minut.	59. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.7054689	9.7701485	30	9.9353204	10. 2298515
31	9.7056833	9.7704373	29	9.9352459	10. 2295627
32	9.7058975	9.7707261	28	9.9351715	10. 2292739
33	9.7061116	9.7710147	27	9.9350969	10. 2289853
34	9.7063256	9.7713033	26	9.9350223	10. 2286967
35	9.7065394	9.7715917	25	9.9349477	10. 2284083
36	9.7067531	9.7718801	24	9.9348730	10. 2281199
37	9.7069667	9.7721684	23	9.9347983	10. 2278316
38	9.7071801	9.7724566	22	9.9347235	10. 2275434
39	9.7073933	9.7727447	21	9.9346486	10. 2272553
40	9.7076064	9.7730327	20	9.9345738	10. 2269673
41	9.7078194	9.7733206	19	9.9344988	10. 2266794
42	9.7080323	9.7736084	18	9.9344238	10. 2263916
43	9.7082450	9.7738961	17	9.9343488	10. 2261039
44	9.7084575	9.7741838	16	9.9342737	10. 2258162
45	9.7086699	9.7744713	15	9.9341986	10. 2255287
46	9.7088822	9.7747588	14	9.9341234	10. 2252412
47	9.7090943	9.7750462	13	9.9340482	10. 2249538
48	9.7093063	9.7753334	12	9.9339729	10. 2246666
49	9.7095182	9.7756206	11	9.9338976	10. 2243794
50	9.7097299	9.7759077	10	9.9338222	10. 2240923
51	9.7099415	9.7761947	9	9.9337467	10. 2238053
52	9.7101529	9.7764816	8	9.9336713	10. 2235184
53	9.7103642	9.7767685	7	9.9335957	10. 2232315
54	9.7105753	9.7770552	6	9.9335201	10. 2229448
55	9.7107863	9.7773418	5	9.9334445	10. 2226582
56	9.7109972	9.7776284	4	9.9333688	10. 2223716
57	9.7112080	9.7779149	3	9.9332931	10. 2220851
58	9.7114186	9.7782012	2	9.9332173	10. 2217988
59	9.7116290	9.7784875	1	9.9331415	10. 2215125
60	9.7118393	9.7787737	0	9.9330656	10. 2212263

Minut.	31. Grad. Log. Sin.	31. Grad. Log. Tang.	Minut.	58. Grad. Log. Sin.	58. Grad. Log. Tang.
0	9.7118393	9.7787737	60	9.9330656	10.2212263
1	9.7120495	9.7790599	59	9.9329897	10.2209401
2	9.7122596	9.7793459	58	9.9329137	10.2206541
3	9.7124695	9.7796318	57	9.9328376	10.2203682
4	9.7126792	9.7799177	56	9.9327616	10.2200823
5	9.7128889	9.7802034	55	9.9326854	10.2197966
6	9.7130983	9.7804891	54	9.9326092	10.2195109
7	9.7133077	9.7807747	53	9.9325330	10.2192253
8	9.7135169	9.7810602	52	9.9324567	10.2189398
9	9.7137260	9.7813456	51	9.9323804	10.2186544
10	9.7139349	9.7816309	50	9.9323040	10.2183691
11	9.7141437	9.7819162	49	9.9322276	10.2180838
12	9.7143524	9.7822013	48	9.9321511	10.2177987
13	9.7145609	9.7824864	47	9.9320746	10.2175136
14	9.7147693	9.7827713	46	9.9319980	10.2172287
15	9.7149776	9.7830562	45	9.9319213	10.2169438
16	9.7151857	9.7833410	44	9.9318447	10.2166590
17	9.7153937	9.7836258	43	9.9317679	10.2163742
18	9.7156015	9.7839104	42	9.9316911	10.2160896
19	9.7158092	9.7841949	41	9.9316143	10.2158051
20	9.7160168	9.7844794	40	9.9315374	10.2155206
21	9.7162243	9.7847638	39	9.9314605	10.2152362
22	9.7164316	9.7850481	38	9.9313835	10.2149519
23	9.7166387	9.7853323	37	9.9313065	10.2146677
24	9.7168458	9.7856164	36	9.9312294	10.2143836
25	9.7170526	9.7859004	35	9.9311522	10.2140996
26	9.7172594	9.7861844	34	9.9310750	10.2138156
27	9.7174660	9.7864682	33	9.9309978	10.2135318
28	9.7176725	9.7867520	32	9.9309205	10.2132480
29	9.7178789	9.7870357	31	9.9308432	10.2129643
30	9.7182851	9.7873193	30	9.9307658	10.2126807

Minut.	31. Grad. Log. Sin.	Log. Tang.	Minut.	58. Grad. Log. Sin.	Log. Tang.
30	9.7180851	9.7873193	30	9.9307658	10. 2126807
31	9.7182912	9.7876028	29	9.9306883	10. 2123972
32	9.7184971	9.7878863	28	9.9306109	10. 2121137
33	9.7187030	9.7881696	27	9.9305333	10. 2118304
34	9.7189086	9.7884529	26	9.9304557	10. 2115471
35	9.7191142	9.7887361	25	9.9303781	10. 2112639
36	9.7193196	9.7890192	24	9.9303004	10. 2109808
37	9.7195249	9.7893023	23	9.9302226	10. 2106977
38	9.7197300	9.7895852	22	9.9301448	10. 2104181
39	9.7199350	9.7898681	21	9.9300670	10. 2101319
40	9.7201399	9.7901508	20	9.9299891	10. 2098492
41	9.7203447	9.7904335	19	9.9299112	10. 2095665
42	9.7205493	9.7907161	18	9.9298332	10. 2092839
43	9.7207538	9.7909987	17	9.9297551	10. 2090013
44	9.7209581	9.7912811	16	9.9296770	10. 2087189
45	9.7211623	9.7915635	15	9.9295989	10. 2084365
46	9.7213664	9.7918458	14	9.9295207	10. 2081542
47	9.7215704	9.7921280	13	9.9294424	10. 2078720
48	9.7217742	9.7924101	12	9.9293641	10. 2075899
49	9.7219779	9.7926921	11	9.9292857	10. 2073079
50	9.7221814	9.7929741	10	9.9292073	10. 2070259
51	9.7223848	9.7932560	9	9.9291289	10. 2067440
52	9.7225881	9.7935378	8	9.9290504	10. 2064622
53	9.7227913	9.7938195	7	9.9289718	10. 2061805
54	9.7229943	9.7941011	6	9.9288932	10. 2058989
55	9.7231972	9.7943827	5	9.9288145	10. 2056173
56	9.7234000	9.7946641	4	9.9287358	10. 2053359
57	9.7236026	9.7949455	3	9.9286571	10. 2050545
58	9.7238051	9.7952268	2	9.9285783	10. 2047732
59	9.7240075	9.7955081	1	9.9284994	10. 2044919
60	9.7242097	9.7957892	0	9.9284205	10. 2042108

Minut.	32. Grad. Log. Sin.	Log. Tang.	Minut.	57. Grad. Log. Sin.	Log. Tang.
0	9.7242097	9.7957892	60	9.9284205	10. 2042108
1	9.7244118	9.7960703	59	9.9283415	10. 2039297
2	9.7246138	9.7963513	58	9.9282625	10. 2036487
3	9.7248156	9.7966322	57	9.9281834	10. 2033678
4	9.7250174	9.7969130	56	9.9281043	10. 2030870
5	9.7252189	9.7971938	55	9.9280251	10. 2028062
6	9.7254204	9.7974745	54	9.9279459	10. 2025255
7	9.7256217	9.7977551	53	9.9278666	10. 2022449
8	9.7258229	9.7980356	52	9.9277873	10. 2019644
9	9.7260240	9.7983160	51	9.9277079	10. 2016840
10	9.7262249	9.7985964	50	9.9276285	10. 2014036
11	9.7264257	9.7988767	49	9.9275490	10. 2011233
12	9.7266264	9.7991569	48	9.9274695	10. 2008431
13	9.7268269	9.7994370	47	9.9273899	10. 2005630
14	9.7270273	9.7997170	46	9.9273103	10. 2002830
15	9.7272276	9.7999970	45	9.9272306	10. 2000030
16	9.7274278	9.8002769	44	9.9271509	10. 1997231
17	9.7276278	9.8005567	43	9.9270711	10. 1994433
18	9.7278277	9.8008365	42	9.9269913	10. 1991635
19	9.7280275	9.8011161	41	9.9269114	10. 1988839
20	9.7282271	9.8013957	40	9.9268314	10. 1986043
21	9.7284267	9.8016752	39	9.9267514	10. 1983248
22	9.7286260	9.8019546	38	9.9266714	10. 1980454
23	9.7288253	9.8022340	37	9.9265913	10. 1977660
24	9.7290244	9.8025133	36	9.9265112	10. 1974867
25	9.7292234	9.8027925	35	9.9264310	10. 1972075
26	9.7294223	9.8030756	34	9.9263507	10. 1969284
27	9.7296211	9.8033506	33	9.9262704	10. 1966494
28	9.7298197	9.8036296	32	9.9261901	10. 1963704
29	9.7300182	9.8039085	31	9.9261096	10. 1960915
30	9.7302165	9.8041873	30	9.9260292	10. 1958127

Minut.	32. Grad. Log. Sin.	Log. Tang.	Minut.	57. Grad. Log. Sin.	Log. Tang.
30	9.7302165	9.8041873	30	9.9260292	10. 1958127
31	9.7304148	9.8044661	29	9.9259487	10. 1955339
32	9.7306129	9.8047447	28	9.9258681	10. 1952553
33	9.7308109	9.8050233	27	9.9257875	10. 1949767
34	9.7310087	9.8053019	26	9.9257069	10. 1946981
35	9.7312064	9.8055803	25	9.9256261	10. 1944197
36	9.7314040	9.8058587	24	9.9255454	10. 1941413
37	9.7316015	9.8061370	23	9.9254646	10. 1938630
38	9.7317989	9.8064152	22	9.9253837	10. 1935848
39	9.7319961	9.8066933	21	9.9253028	10. 1933067
40	9.7321932	9.8069714	20	9.9252218	10. 1930286
41	9.7323902	9.8072494	19	9.9251408	10. 1927506
42	9.7325870	9.8075273	18	9.9250597	10. 1924727
43	9.7327837	9.8078052	17	9.9249786	10 1921948
44	9.7329803	9.8080829	16	9.9248974	10. 1919171
45	9.7331768	9.8083606	15	9.9248161	10. 1916394
46	9.7333731	9.8086383	14	9.9247349	10. 1913617
47	9.7335693	9.8089158	13	9.9246535	10. 1910842
48	9.7337654	9.8091933	12	9.9245721	10. 1908067
49	9.7339614	9.8094707	11	9.9244907	10. 1905293
50	9.7341572	9.8097480	10	9.9244092	10. 1902520
51	9.7343529	9.8100253	9	9.9243277	10. 1899747
52	9.7345485	9.8103025	8	9.9242461	10. 1896975
53	9.7347440	9.8105796	7	9.9241644	10. 1894204
54	9.7349393	9.8108566	6	9.9240827	10. 1891434
55	9.7351345	9.8111336	5	9.9240010	10. 1888664
56	9.7353296	9.8114105	4	9.9239191	10. 1885895
57	9.7355246	9.8116873	3	9.9238373	10. 1883127
58	9.7357195	9.8119641	2	9.9237554	10. 1880359
59	9.7359142	9.8122408	1	9.9236734	10. 1877592
60	9.7361088	9.8125174	0	9.9235914	10. 1874826

Minut.	33. Grad. Log. Sin.	Log. Tang.	Minut.	56. Grad. Log. Sin.	Log. Tang.
0	9.7361088	9.8125174	60	9.9235914	10. 1874826
1	9.7363032	9.8127939	59	9.9235093	10. 1872061
2	9.7364976	9.8130704	58	9.9234272	10. 1869296
3	9.7366918	9.8133468	57	9.9233450	10. 1866532
4	9.7368859	9.8136231	56	9.9232628	10. 1863769
5	9.7370799	9.8138993	55	9.9231805	10. 1861007
6	9.7372737	9.8141755	54	9.9230982	10. 1858245
7	9.7374675	9.8144516	53	9.9230158	10. 1855484
8	9.7376611	9.8147277	52	9.9229334	10. 1852723
9	9.7378546	9.8150036	51	9.9228509	10. 1849964
10	9.7380479	9.8152795	50	9.9227684	10. 1847205
11	9.7382412	9.8155554	49	9.9226858	10. 1844446
12	9.7384343	9.8158311	48	9.9226032	10. 1841689
13	9.7386273	9.8161068	47	9.9225205	10. 1838932
14	9.7388201	9.8163824	46	9.9224377	10. 1836176
15	9.7390129	9.8166580	45	9 9223549	10. 1833420
16	9.7392055	9.8169335	44	9.9222721	10. 1830665
17	9.7393980	9.8172089	43	9.9221891	10. 1827911
18	9.7395904	9.8174842	42	9.9221062	10. 1825158
19	9.7397827	9.8177595	41	9.9220232	10. 1822405
20	9.7399748	9.8180347	40	9.9219401	10. 1819653
21	9.7401668	9.8183098	39	9.9218570	10. 1816902
22	9.7403587	9.8185849	38	9.9217738	10. 1814151
23	9.7405505	9.8188599	37	9.9216906	10. 1811401
24	9.7407421	9.8191348	36	9.9216073	10. 1808652
25	9.7409337	9.8194096	35	9.9215240	10. 1805904
26	9.7411251	9.8196844	34	9.9214406	10. 1803156
27	9.7413164	9.8199592	33	9.9213572	10. 1800408
28	9.7415075	9.8202338	32	9.9212737	10. 1797662
29	9.7416986	9.8205084	31	9.9211902	10. 1794916
30	9.7418895	9.8207829	30	9.9211066	10. 1792171

Minut.	33. Grad.		Minut.	56. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.7418895	9.8207829	30	9.9211066	10. 1792171
31	9.7420803	9.8210574	29	9.9210229	10. 1789426
32	9.7422710	9.8213317	28	9.9209393	10. 1786683
33	9.7424616	9.8216060	27	9.9208555	10. 1783940
34	9.7426520	9.8218803	26	9.9207717	10. 1781197
35	9.7428423	9.8221545	25	9.9206878	10. 1778455
36	9.7430325	9.8224286	24	9.9206039	10. 1775714
37	9.7432226	9.8227026	23	9.9205200	10. 1772974
38	9.7434126	9.8229766	22	9.9204360	10. 1770234
39	9.7436024	9.8232505	21	9.9203519	10. 1767495
40	9.7437921	9.8235744	20	9.9202678	10. 1764756
41	9.7439817	9.8237981	19	9.9201836	10. 1762019
42	9.7441712	9.8240719	18	9.9200994	10. 1759281
43	9.7443606	9.8243455	17	9.9200151	10. 1756545
44	9.2445498	9.8246191	16	9.9199308	10. 1753809
45	9.7447390	9.8248926	15	9.9198464	10. 1751074
46	9.7449280	9.8251660	14	9.9197619	10. 1748340
47	9.745[illegible]169	9.8254394	13	9.9196775	10. 1745606
48	9.7453056	9.8257127	12	9.9195929	10. 1742873
49	9.7454943	9.8259860	11	9.9195083	10. 1740140
50	9.7456828	9.8262592	10	9.9194237	10. 1737408
51	9.7458712	9.8265323	9	9.9193390	10. 1734677
52	9.7460595	9.8268053	8	9.9192542	10. 1731947
53	9.7462477	9.8270783	7	9.9191694	10. 1729217
54	9.7464358	9.8273513	6	9.9190845	10. 1726487
55	9.7466237	9.8276241	5	9.9189996	10. 1723759
56	9.7468115	9.8278969	4	9.9189146	10. 1721031
57	9.7469992	9.82[illegible]1696	3	9.9188296	10. 1718304
58	9.7471868	9.8284423	2	9.9187445	10. 1715577
59	9.7473743	9.8287149	1	9.9186594	10. 1712851
60	9.7475617	9.8289874	0	9.9185742	10. 1710126

Minut.	34. Grad. Log. Sin.	Log. Tang.	Minut.	55. Grad. Log. Sin.	Log. Tang.
0	9.7475617	9.8289874	60	9.9185742	10 1710126
1	9.7477489	9.8292599	59	9.9184890	10. 1707401
2	9.7479360	9.8295323	58	9.9184037	10. 1704677
3	9.7481230	9.8298047	57	9.9183183	10. 1701953
4	9.7483099	9.8300769	56	9.9182329	10. 1699231
5	9.7484967	9.8303492	55	9.9181475	10. 1696508
6	9.7486833	9.8306213	54	9.9180620	10. 1693787
7	9.7488698	9 8308934	53	9.9179764	10. 1691066
8	9.7490562	9.8311654	52	9.9178908	10. 1688346
9	9.7492425	9.8314374	51	9.9178051	10. 1685626
10	9.7494287	9.8317093	50	9.9177194	10. 1682907
11	9.7496148	9.8319811	49	9.9176336	10. 1680189
12	9.7498007	9.8322529	48	9.9175478	10. 1677471
13	9.7499866	9.8325246	47	9.9174619	10. 1674754
14	9.7501723	9.8327963	46	9.9173760	10. 1672037
15	9.7503579	9.8330679	45	9.9172900	10. 1669321
16	9.7505434	9.8333394	44	9.9172040	10. 1666606
17	9.7507287	9.8336109	43	9.9171179	10. 1663891
18	9.7509140	9.8338823	42	9.9170317	10. 1661177
19	9.7510991	9.8341536	41	9.9169455	10. 1658464
20	9.7512842	9.8344249	40	9.9168593	10. 1655751
21	9.7514691	9.8346961	39	9.9167730	10. 1653039
22	9.7516538	9.8349673	38	9.9166866	10. 1650327
23	9.7518385	9.8352384	37	9.9166002	10. 1647616
24	9.7520231	9.8355094	36	9.9165137	10. 1644906
25	9.7522075	9.8357804	35	9.9164272	10. 1642196
26	9.7523919	9.8360513	34	9.9163406	10. 1639487
27	9.7525761	9.8363221	33	9.9162539	10. 1636779
28	9.7527602	9.8365929	32	9.9161673	10. 1634071
29	9.7529442	9.8368636	31	9 9160805	10. 1631364
30	9.7531280	9.8371343	30	9.9159937	10. 1628657

Minut.	34. Grad. Log. Sin.	Log. Tang.	Minut.	55. Grad. Log. Sin.	Log. Tang.
0	9.7531280	9.8371343	30	9.9159937	10. 1628657
1	9.7533118	9.8374049	29	9.9159069	10. 1625951
2	9.7534954	9.8376755	28	9.9158200	10. 1623245
3	9.7536790	9.8379460	27	9.9157330	10. 1620540
4	9.7538624	9.8382164	26	9.9156460	10. 1617836
5	9.7940457	9.8384867	25	9.9155589	10. 1615133
6	9.7542288	9.8387571	24	9.9154718	10. 1612429
7	9.7544119	9.8390273	23	9.9153846	10. 1609727
8	9.7545949	9.8392975	22	9.9152974	10. 1607025
9	9.7547777	9.8395676	21	9.9152101	10. 1604324
0	9.7549604	9.8398377	20	9.9151228	10. 1601623
1	9.7551431	9.8401077	19	9.9150354	10. 1598923
2	9.7553256	9.8403776	18	9.9149479	10. 1596224
3	9.7555080	9.8406475	17	9.9148604	10. 1593525
4	9.7556902	9.8409174	16	9.9147729	10. 1590826
5	9.7558724	9.8411871	15	9.9146852	10. 1588129
6	9.7560544	9.8414569	14	9.9145976	10. 1585431
7	9.7562364	9.8417265	13	9.9145099	10. 1582735
8	9.7564182	9.8419961	12	9.9144221	10. 1580039
9	9.7565999	9.8422657	11	9.9143342	10. 1577343
0	9.7567815	9.8425351	10	9.9142464	10. 1574649
1	9.7569630	9.8428046	9	9.9141584	10. 1571954
2	9.7571444	9.8430739	8	9.9140704	10. 1569261
3	9.7573256	9.8433432	7	9.9139824	10. 1566568
4	9.7575068	9.8436125	6	9.9138943	10. 1563875
5	9.7576878	9.8438817	5	9.9138061	10. 1561183
6	9.7578687	9.8441508	4	9.9137179	10. 1558492
7	9.7580495	9.8444199	3	9.9136296	10. 1555801
8	9.7582302	9.8446889	2	9.9135413	10. 1553111
9	9.7584108	9.8449579	1	9.9134530	10. 1550421
0	9.7585913	9.8452268	0	9.9133645	10. 1547732

Minut.	35. Grad. Log. Sin.	35. Grad. Log. Tang.	Minut.	54. Grad. Log. Sin.	54. Grad. Log. Tang.
0	9.7585913	9.8452268	60	9.9133645	10. 1547732
1	9.7587717	9.8454956	59	9.9132760	10. 1545044
2	9.7589519	9.8457644	58	9.9131875	10. 1542356
3	9.7591321	9.8460332	57	9.9130989	10. 1539668
4	9.7593121	9.8463018	56	9.9130102	10. 1536982
5	9.7594920	9.8465705	55	9.9129215	10. 1534295
6	9.7596718	9.8468390	54	9.9128328	10. 1531610
7	9.7598515	9.8471075	53	9.9127440	10. 1528925
8	9.7600311	9.8473760	52	9.9126551	10. 1526240
9	9.7602106	9.8476444	51	9.9125662	10. 1523556
10	9.7603899	9.8479127	50	9.9124772	10. 1520873
11	9.7605692	9.8481810	49	9.9123882	10. 1518190
12	9.7607483	9.8484492	48	9.9122991	10. 1515508
13	9.7609274	9.8487174	47	9.9122099	10. 1512826
14	9.7611063	9.8489855	46	9.9121207	10. 1510145
15	9.7612851	9.8492536	45	9.9120315	10. 1507464
16	9.7614638	9.8495216	44	9.9119422	10, 1504784
17	9.7616424	9.8497896	43	9.9118528	10, 1502104
18	9.7618208	9.8500575	42	9.9117634	10, 1499425
19	9.7619992	9.8503253	41	9.9116739	10. 1496747
20	9.7621775	9.8505931	40	9.9115844	10. 1494069
21	9.7623556	9.8508608	39	9.9114948	10. 1491392
22	9.7625337	9.8511285	38	9.9114051	10. 1488715
23	9.7627116	9.8513961	37	9.9113155	10. 1486039
24	9.7628894	9.8516637	36	9.9112257	10. 1483363
25	9.7630671	9.8519312	35	9.9111359	10. 1480688
26	9.7632447	9.8521987	34	9.9110460	10. 1478013
27	9.7634222	9.8524661	33	9.9109561	10. 1475339
28	9.7635996	9.8527335	32	9.9108661	10. 1472665
29	9.7637769	9.8530008	31	9.9107761	10. 1469992
30	9.7639540	9.8532680	30	9.9106860	10. 1467320

Minut.	35. Grad.		Minut.	54. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.7639540	9.8532680	30	9.9106860	10. 1467320
1	9.7641311	9.8535352	29	9.9105959	10. 1464648
2	9.7643080	9.8538023	28	9.9105057	10. 1461977
3	9.7644849	9.8540694	27	9.9104155	10. 1459306
4	9.7646616	9.8543365	26	9.9103251	10. 1456635
5	9.7648382	9.8546034	25	9.9102348	10. 1453966
6	9.7650147	9.8548704	24	9.9101444	10. 1451296
7	9.7651911	9.8551372	23	9.9100539	10. 1448628
8	9.7653674	9.8554041	22	9.9099634	10. 1445959
9	9.7655436	9.8556708	21	9.9098728	10. 1443292
0	9.7657197	9.8559376	20	9.9097821	10. 1440624
1	9.7658957	9.8562042	19	9.9096915	10. 1437958
2	9.7660715	9.8564708	18	9.9096007	10. 1435292
3	9.7662473	9.8567374	17	9.9095099	10. 1432626
4	9.7664229	9.8570039	16	9.9094190	10. 1429961
5	9.7665985	9.8572704	15	9.9093281	10. 1427296
6	9.7667739	9.8575368	14	9.9092371	10. 1424632
7	9.7669492	9.8578031	13	9.9091461	10. 1421969
8	9.7671244	9.8580694	12	9.9090550	10. 1419306
9	9.7672996	9.8583357	11	9.9089639	10. 1416643
0	9.7674746	9.8586019	10	9.9088727	10. 1413981
1	9.7676494	9.8588680	9	9.9087814	10. 1411320
2	9.7678242	9.8591341	8	9.9086901	10. 1408659
3	9.7679989	9.8594002	7	9.9085988	10. 1405998
4	9.7681735	9.8596661	6	9.9085073	10. 1403339
5	9.7683480	9.8599321	5	9.9084159	10. 1400679
6	9.7685223	9.8601980	4	9.9083243	10. 1398020
7	9.7686966	9.8604638	3	9.9082327	10. 1395362
8	9.7688707	9.8607296	2	9.9081411	10. 1392704
9	9.7690448	9.8609954	1	9.9080494	10. 1390046
0	9.7692187	9.8612610	0	9.9079576	10. 1387390

Minut.	36. Grad.		Minut.	53. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.7692187	9.8612610	60	9.9079576	10. 1387390
1	9.7693925	9.8615267	59	9.9078658	10. 1384733
2	9.7695662	9.8617923	58	9.9077740	10. 1382077
3	9.7697398	9.8620578	57	9.9076820	10. 1379422
4	9.7699134	9.8623233	56	9.9075901	10. 1376767
5	9.7700868	9.8625887	55	9.9074980	10. 1374113
6	9.7702601	9.8628541	54	9.9074059	10. 1371459
7	9.7704332	9.8631195	53	9.9073138	10. 1368805
8	9.7706063	9.8633848	52	9.9072216	10. 1366152
9	9.7707793	9.8637500	51	9.9071293	10. 1363500
10	9.7709522	9.8639152	50	9.9070370	10. 1360848
11	9.7711249	9.8641803	49	9.9069446	10. 1358197
12	9.7712976	9.8644454	48	9.9068522	10. 1355546
13	9.7714702	9.8647105	47	9.9067597	10. 1352895
14	9.7716426	9.8649755	46	9.9066671	10. 1350245
15	9.7718150	9.8652404	45	9.9065745	10. 1347596
16	9.7719872	9.8655053	44	9.9064819	10. 1344947
17	9.7721593	9.8657702	43	9.9063892	10. 1342298
18	9.7723314	9.8660350	42	9.9062964	10. 1339650
19	9.7725033	9.8662997	41	9.9062036	10. 1337003
20	9.7726751	9.8665644	40	9.9061107	10. 1334356
21	9.7728468	9.8668291	39	9.9060177	10. 1331709
22	9.7730185	9.8670937	38	9.9059247	10. 1329063
23	9.7731900	9.8673583	37	9.9058317	10. 1326417
24	9.7733614	9.8676228	36	9.9057386	10. 1323772
25	9.7735327	9.8678873	35	9.9056454	10. 1321127
26	9.7737039	9.8681517	34	9.9055522	10. 1318483
27	9.7738749	9.8684160	33	9.9054589	10. 1315840
28	9.7740459	9.8686804	32	9.9053656	10. 1313196
29	9.7742168	9.8689446	31	9.9052722	10. 1310554
30	9.7743876	9.8692089	30	9.9051787	10. 1307911

Minut.	36. Grad.		Minut.	53. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.7743876	9.8692089	30	9.9051787	10. 1307911
31	9.7745583	9.8694731	29	9.9050852	10. 1305269
32	9.7747288	9.8697372	28	9.9049916	10. 1302628
33	9.7748993	9.8700013	27	9.9048980	10. 1299987
34	9.7750697	9.8702653	26	9.9048043	10. 1297347
35	9.7752399	9.8705293	25	9.9047106	10. 1294707
36	9.7754101	9.8707933	24	9.9046168	10. 1292067
37	9.7755801	9.8710572	23	9.9045230	10. 1289428
38	9.7757501	9.8713210	22	9.9044291	10. 1286790
39	9.7759199	9.8715848	21	9.9043351	10. 1284152
40	9.7760897	9.8718486	20	9.9042411	10. 1281514
41	9.7762593	9.8721123	19	9.9041470	10. 1278877
42	9.7764289	9.8723760	18	9.9040529	10. 1276240
43	9.7765983	9.8726396	17	9.9039587	10. 1273604
44	9.7767676	9.8729032	16	9.9038644	10. 1270968
45	9.7769369	9.8731668	15	9.9037701	10. 1268332
46	9.7771060	9.8734302	14	9.9036757	10. 1265698
47	9.7772750	9.8736937	13	9.9035813	10. 1263063
48	9.7774439	9.8739571	12	9.9034868	10. 1260429
49	9.7776128	9.8742204	11	9.9033923	10. 1257796
50	9.7777815	9.8744838	10	9.9032977	10. 1255162
51	9.7779501	9.8747470	9	9.9032031	10. 1252530
52	9.7781186	9.8750102	8	9.9031084	10. 1249898
53	9.7782870	9.8752734	7	9.9030136	10. 1247266
54	9.7784553	9.8755365	6	9.9029188	10. 1244635
55	9.7786235	9.8757996	5	9.9028239	10. 1242004
56	9.7787916	9.8760627	4	9.9027289	10. 1239373
57	9.7789596	9.8763257	3	9.9026339	10. 1236743
58	9.7791275	9.8765886	2	9.9025389	10. 1234114
59	9.7792953	9.8768515	1	9.9024438	10. 1231485
60	9.7794630	9.8771144	0	9.9023486	10. 1228856

Minut.	37. Grad. Log. Sin.	37. Grad. Log. Tang.	Minut.	52. Grad. Log. Sin.	52. Grad. Log. Tang.
0	9.7794630	9.8771144	60	9.9023486	10. 1228856
1	9.7796306	9.8773772	59	9.9022534	10. 1226228
2	9.7797981	9.8776400	58	9.9021581	10. 1223600
3	9.7799655	9.8779027	57	9.9020628	10. 1220973
4	9.7801328	9.8781654	56	9.9019674	10. 1218346
5	9.7803000	9.8784281	55	9.9018719	10. 1215719
6	9.7804671	9.8786907	54	9.9017764	10. 1213093
7	9.7806341	9.8789533	53	9.9016808	10. 1210467
8	9.7808010	9.8792158	52	9.9015852	10. 1207842
9	9.7809677	9.8794782	51	9.9014895	10. 1205218
10	9.7811344	9.8797407	50	9.9013938	10. 1202593
11	9.7813010	9.8800031	49	9.9012980	10. 1199969
12	9.7814675	9.8802654	48	9.9012021	10. 1197346
13	9.7816339	9.8805277	47	9.9011062	10. 1194723
14	9.7818002	9.8807900	46	9.9010102	10. 1192100
15	9.7819664	9.8810522	45	9.9009142	10. 1189478
16	9.7821324	9.8813144	44	9.9008181	10. 1186856
17	9.7822984	9.8815765	43	9.9007219	10. 1184235
18	9.7824643	9.8818386	42	9.9006257	10. 1181614
19	9.7826301	9.8821007	41	9.9005294	10. 1178993
20	9.7827958	9.8823627	40	9.9004331	10. 1176373
21	9.7829614	9.8826246	39	9.9003367	10. 1173754
22	9.7831268	9.8828866	38	9.9002403	10. 1171134
23	9.7832922	9.8831484	37	9.9001438	10. 1168516
24	9.7834575	9.8834103	36	9.9000472	10. 1165897
25	9.7836227	9.8836721	35	9.8999506	10. 1163279
26	9.7837878	9.8839338	34	9.8998539	10. 1160662
27	9.7839528	9.8841956	33	9.8997572	10. 1158044
28	9.7841177	9.8844572	32	9.8996604	10. 1155418
29	9.7842824	9.8847189	31	9.8995636	10. 1152811
30	9.7844471	9.8849805	30	9.8994667	10. 1150195

Minut.	37. Grad.		Minut.	52. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.7844471	9.8849805	30	9.8994667	10. 1150195
31	9.7846117	9.8852420	29	9.8993697	10. 1147580
32	9.7847762	9.8855035	28	9.8992727	10. 1144965
33	9.7849406	9.8857650	27	9.8991756	10. 1142350
34	9.7851049	9.8860264	26	9.8990784	10. 1139736
35	9.7852691	9.8862878	25	9.8989812	10. 1137122
36	9.7854332	9.8865492	24	9.8988840	10. 1134508
37	9.7855972	9.8868105	23	9.8987867	10. 1131895
38	9.7857611	9.8870718	22	9.8986893	10. 1129282
39	9.7859249	9.8873330	21	9.8985919	10. 1126670
40	9.7860886	9.8875942	20	9.8984944	10. 1124058
41	9.7862522	9.8878554	19	9.8983968	10. 1121446
42	9.7864157	9.8881165	18	9.8982992	10. 1118835
43	9.7865791	9.8883775	17	9.8982015	10. 1116225
44	9.7867424	9.8886386	16	9.8981038	10. 1113614
45	9.7869056	9.8888996	15	9.8980060	10. 1111004
46	9.7870687	9.8891605	14	9.8979082	10. 1108395
47	9.7872317	9.8894214	13	9.8978103	10. 1105786
48	9.7873946	9.8896823	12	9.8977123	10. 1103177
49	9.7875574	9.8899432	11	9.8976143	10. 1100568
50	9.7877202	9.8902040	10	9.8975162	10. 1097960
51	9.7878828	9.8904647	9	9.8974181	10. 1095353
52	9.7880453	9.8907254	8	9.8973199	10. 1092746
53	9.7882077	9.8909861	7	9.8972216	10. 1090139
54	9.7883701	9.8912468	6	9.8971233	10. 1087532
55	9.7885323	9.8915074	5	9.8970249	10. 1084926
56	9.7886944	9.8917679	4	9.8969265	10. 1082321
57	9.7888565	9.8920285	3	9.8968280	10. 1079715
58	9.7890184	9.8922890	2	9.8967294	10. 1077110
59	9.7891802	9.8925494	1	9.8966308	10. 1074506
60	9.7893420	9.8928098	0	9.8965321	10. 1071902

Minut.	38. Grad. Log. Sin.	38. Grad. Log. Tang.	Minut.	51. Grad. Log. Sin.	51. Grad. Log. Tang.
0	9.7893420	9.8928098	60	9.8965321	10. 1071902
1	9.7895036	9.8930702	59	9.8964334	10. 1069298
2	9.7896652	9.8933306	58	9.8963346	10. 1066694
3	9.7898266	9.8935909	57	9.8962358	10. 1064091
4	9.7899880	9.8938511	56	9.8961369	10. 1061489
5	9.7901493	9.8941114	55	9.8960379	10. 1058886
6	9.7903104	9.8943715	54	9.8959389	10. 1056285
7	9.7904715	9.8946317	53	9.8958398	10. 1053683
8	9.7906325	9.8948918	52	9.8957406	10. 1051082
9	9.7907933	9.8951519	51	9.8956414	10. 1048481
10	9.7909541	9.8954119	50	9.8955422	10. 1045881
11	9.7911148	9.8956719	49	9.8954429	10. 1043281
12	9.7912754	9.8959319	48	9.8953435	10. 1040681
13	9.7914359	9.8961918	47	9.8952440	10. 1038082
14	9.7915963	9.8964517	46	9.8951445	10. 1035483
15	9.7917566	9.8967116	45	9.8950450	10. 1032884
16	9.7919168	9.8969714	44	9.8949453	10. 1030286
17	9.7920769	9.8972312	43	9.8948457	10. 1027688
18	9.7922369	9.8974910	42	9.8947459	10. 1025090
19	9.7923968	9.8977507	41	9.8946461	10. 1022493
20	9.7925566	9.8980104	40	9.8945463	10. 1019896
21	9.7927163	9.8982700	39	9.8944463	10. 1017300
22	9.7928760	9.8985296	38	9.8943464	10. 1014704
23	9.7930355	9.8987892	37	9.8942463	10. 1012108
24	9.7931949	9.8990487	36	9.8941462	10. 1009513
25	9.7933543	9.8993082	35	9.8940461	10. 1006918
26	9.7935135	9.8995677	34	9.8939458	10. 1004323
27	9.7936527	9.8998271	33	9.8928456	10. 1001729
28	9.7938317	9.9000865	32	9.8937452	10. 0999135
29	9.7939907	9.9003459	31	9.8936448	10. 0996541
30	9.7941496	9.9006052	30	9.8935444	10. 0993948

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Minut.	38. Grad.		Minut.	51. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
30	9.7941496	9.9006052	30	9.8935444	10.0993948
31	9.7943083	9.9008645	29	9.8934439	10.0991355
32	9.7944670	9.9011237	28	9.8933433	10.0988763
33	9.7946256	9.9013830	27	9.8932426	10.0986170
34	9.7947841	9.9016422	26	9.8931419	10.0983578
35	9.7949425	9.9019013	25	9.8930412	10.0980987
36	9.7951008	9.9021604	24	9.8929404	10.0978396
37	9.7952590	9.9024195	23	9.8928395	10.0975805
38	9.7954171	9.9026786	22	9.8927385	10.0973214
39	9.7955751	9.9029376	21	9.8926375	10.0970624
40	9.7957330	9.9031966	20	9.8925365	10.0968034
41	9.7958909	9.9034555	19	9.8924354	10.0965445
42	9.7960486	9.9037144	18	9.8923342	10.0962856
43	8.7962062	9.9039733	17	9.8922329	10.0960267
44	9.7963638	9.9042321	16	9.8921316	10.0957679
45	9.7965212	9.9044910	15	9.8920303	10.0955090
46	9.7966786	9.9047497	14	9.8919289	10.0952503
47	9.7968359	9.9050085	13	9.8918274	10.0949915
48	9.7969930	9.9052672	12	9.8917258	10.0947328
49	9.7971501	9.9055259	11	9.8916242	10.0944741
50	9.7973071	9.9057845	10	9.8915226	10.0942155
51	9.7974640	9.9060431	9	9.8914208	10.0939569
52	9.7976208	9.9063017	8	9.8913191	10.0936983
53	9.7977775	9.9065603	7	9.8912172	10.0934397
54	9.7979341	9.9068188	6	9.8911152	10.0932812
55	9.7980906	9.9070773	5	9.8910133	10.0929227
56	9.7982470	9.9073357	4	9.8909113	10.0926643
57	9.7984034	9.9075941	3	9.8908092	10.0924059
58	9.7985596	9.9078525	2	9.8907071	10.0921475
59	9.7987158	9.9081109	1	9.8906049	10.0918891
60	9.7988718	9.9083692	0	9.8905026	10.0916308

Minut.	39. Grad.		Minut.	50. Grad.	
	Log. Sin.	Log. Tang.		Log. Sin.	Log. Tang.
0	9.7988718	9.9083692	60	9.8905026	10.0916308
1	9.7990278	9.9086275	59	9.8904003	10.0913725
2	9.7991836	9.9088858	58	9.8902979	10.0911142
3	9.7993394	9.9091440	57	9.8901954	10.0908560
4	9.7994951	9.9094022	56	9.8900929	10.0905978
5	9.7996507	9.9096603	55	9.8899903	10.0903397
6	9.7998062	9.9099185	54	9.8898877	10.0900815
7	9.7999616	9.9101766	53	9.8897850	10.0898234
8	9.8001169	9.9104347	52	9.8896822	10.0895653
9	9.8002721	9.9106927	51	9.8895794	10.0893073
10	9.8004272	9.9109507	50	9.8894765	10.0890493
11	9.8005823	9.9112087	49	9.8893736	10.0887913
12	9.8007372	9.9114666	48	9.8892706	10.0885334
13	9.8008921	9.9117245	47	9.8891675	10.0882755
14	9.8010468	9.9119824	46	9.8890644	10.0880176
15	9.8012015	9.9122403	45	9.8889612	10.0877597
16	9.8013561	9.9124981	44	9.8888580	10.0875019
17	9.8015106	9.9127559	43	9.8887547	10.0872441
18	9.8016649	9.9130137	42	9.8886513	10.0869863
19	9.8018192	9.9132714	41	9.8885479	10.0867286
20	9.8019735	9.9135291	40	9.8884444	10.0864709
21	9.8021276	9.9137868	39	9.8883408	10.0862132
22	9.8022816	9.9140444	38	9.8882372	10.0859556
23	9.8024355	9.9143020	37	9.8881335	10.0856980
24	9.8025894	9.9145596	36	9.8880298	10.0854404
25	9.8027431	9.9148171	35	9.8879260	10.0851829
26	9.8028968	9.9150747	34	9.8878221	10.0849253
27	9.8030504	9.9153322	33	9.8877182	10.0846678
28	9.8032038	9.9155896	32	9.8876142	10.0844104
29	9.8033572	9.9158471	31	9.8875102	10.0841529
30	9.8035105	9.9161045	30	9.8874061	10.0838955

Minut.	39. Grad. Log. Sin.	39. Grad. Log. Tang.	Minut.	50. Grad. Log. Sin.	50. Grad. Log. Tang.
30	9.8035105	9.9161045	30	9.8874061	10.0838955
31	9.8036637	9.9163618	29	9.8873019	10.0836382
32	9.8038168	9.9166192	28	9.8871977	10.0833808
33	9.8039699	9.9168765	27	9.8870934	10.0831235
34	9.8041228	9.9171338	26	9.8869890	10.0828662
35	9.8042757	9.9173911	25	9.8868846	10.0826089
36	9.8044284	9.9176483	24	9.8867801	10.0823517
37	9.8045811	9.9179055	23	9.8866756	10.0820945
38	9.8047336	9.9181627	22	9.8865710	10.0818373
39	9.8048861	9.9184198	21	9.8864663	10.0815802
40	9.8050385	9.9186769	20	9.8863616	10.0813231
41	9.8051908	9.9189340	19	9.8862568	10.0810660
42	9.8053430	9.9191911	18	9.8861519	10.0808089
43	9.8054951	9.9194481	17	9.8860470	10.0805519
44	9.8056472	9.9197051	16	9.8859420	10.0802949
45	9.8057991	9.9199621	15	9.8858370	10.0800379
46	9.8059510	9.9202191	14	9.8857319	10.0797809
47	9.8061027	9.9204760	13	9.8856267	10.0795240
48	9.8062544	9.9207329	12	9.8855215	10.0792671
49	9.8064060	9.9209898	11	9.8854162	10.0790102
50	9.8065575	9.9212466	10	9.8853109	10.0787534
51	9.8067089	9.9215034	9	9.8852055	10.0784966
52	9.8068602	9.9217602	8	9.8851000	10.0782398
53	9.8070114	9.9220170	7	9.8849945	10.0779830
54	9.8071626	9.9222737	6	9.8848889	10.0777263
55	9.8073136	9.9225304	5	9.8847832	10.0774696
56	9.8074646	9.9227871	4	9.8846775	10.0772129
57	9.8076154	9.9230437	3	9.8845717	10.0769563
58	9.8077662	9.9233004	2	9.8844659	10.0766996
59	9.8079169	9.9235570	1	9.8843599	10.0764430
60	9.8080675	9.9238135	0	9.8842540	10.0761865

Minut.	40. Grad. Log. Sin.	Log. Tang.	Minut.	49. Grad. Log. Sin.	Log. Tang.
0	9.8080675	9.9238135	60	9.8842540	10. 076186
1	9.8082180	9.9240701	59	9.8841479	10. 075929
2	9.8083684	9.9243266	58	9.8840418	10. 075673
3	9.8085188	9.9245831	57	9.8839357	10. 075416
4	9.8086690	9.9248396	56	9.8838294	10. 0751604
5	9.8088192	9.9250960	55	9.8837232	10. 0749040
6	9.8089692	9.9253524	54	9.8836168	10. 0746476
7	9.8091192	9.9256088	53	9.8835104	10. 0743912
8	9.8092691	9.9258652	52	9.8834039	10. 0741348
9	9.8094189	9.9261215	51	9.8832974	10. 0738785
10	9.8095686	9.9263778	50	9.8831908	10. 0736222
11	9.8097182	9.9266341	49	9.8830841	10. 0733659
12	9.8098678	9.9268904	48	9.8829774	10. 0731096
13	9.8100172	9.9271466	47	9.8828706	10. 0728534
14	9.8101666	9.9274028	46	9.8827638	10. 0725972
15	9.8103159	9.9276590	45	9.8826568	10. 0723410
16	9.8104650	9.9279152	44	9.8825499	10. 0720848
17	9.8106141	9.9281713	43	9.8824428	10. 0718287
18	9.8107631	9.9284274	42	9.8823357	10. 0715726
19	9.8109121	9.9286835	41	9.8822285	10. 0713165
20	9.8110609	9.9289396	40	9.8821213	10. 0710604
21	9.8112096	9.9291956	39	9.8820140	10. 0708044
22	9.8113583	9.9294516	38	9.8819067	10. 0705484
23	9.8115069	9.9297076	37	9.8817992	10. 0702924
24	9.8116554	9.9299636	36	9.8816918	10. 0700364
25	9.8118038	9.9302195	35	9.8815842	10. 0697805
26	9.8119521	9.9304755	34	9.8814766	10. 0695245
27	9.8121003	9.9307314	33	9.8813689	10. 0692686
28	9.8122484	9.9309872	32	9.8812612	10. 0690128
29	9.8123965	9.9312431	31	9.8811534	10. 0687569
30	9.8125444	9.9314989	30	9.8810455	10. 0685011

Minut.	40. Grad. Log. Sin.	Log. Tang.	Minut.	49. Grad. Log. Sin.	Log. Tang.
30	9.8125444	9.9314989	30	9.8810455	10.0685011
31	9.8126923	9.9317547	29	9.8809376	10.0682453
32	9.8128401	9.9320105	28	9.8808296	10.0679895
33	9.8129878	9.9322662	27	9.8807215	10.0677338
34	9.8131354	9.9325220	26	9.8806134	10.0674780
35	9.8132829	9.9327777	25	9.8805052	10.0672223
36	9.8134303	9.9330334	24	9.8803970	10.0669666
37	9.8135777	9.9332890	23	9.8802887	10.0667110
38	9.8137250	9.9335246	22	9.8801803	10.0664554
39	9.8138721	9.9338003	21	9.8800719	10.0661997
40	9.8140192	9.9340559	20	9.8799634	10.0659441
41	9.8141662	9.9343114	19	9.8798548	10.0656886
42	9.8143131	9.9345670	18	9.8797462	10.0654330
43	9.8144600	9.9348225	17	9.8796375	10.0651775
44	9.8146067	9.9350780	16	9.8795287	10.0649220
45	9.8147534	9.9353335	15	9.8794199	10.0646665
46	9.8148999	9.9355889	14	9.8793110	10.0644111
47	9.8150464	9.9358444	13	9.8792021	10.0641556
48	9.8151928	9.9360998	12	9.8790930	10.0639002
49	9.8153391	9.9363552	11	9.8789840	10.0636448
50	9.8154854	9.9366105	10	9.8788748	10.0633895
51	9.8156315	9.9368659	9	9.8787656	10.0631341
52	9.8157776	9.9371212	8	9.8786563	10.0628788
53	9.8159235	9.9373765	7	9.8785470	10.0626235
54	9.8160694	9.9376318	6	9.8784376	10.0623682
55	9.8162152	9.9378871	5	9.8783281	10.0621129
56	9.8163609	9.9381423	4	9.8782186	10.0618577
57	9.8165066	9.9383975	3	9.8781090	10.0616025
58	9.8166521	9.9386527	2	9.8779994	10.0613473
59	9.8167975	9.9389079	1	9.8778896	10.0610921
60	9.8169429	9.9391631	0	9.8777799	10.0608369

Minut.	41. Grad. Log. Sin.	Log. Tang.	Minut.	48. Grad. Log. Sin.	Log. Tang.
0	9.8169429	9.9391631	60	9.8777799	10.0608369
1	9.8170882	9.9394182	59	9.8776700	10.0605818
2	9.8172334	9.9396733	58	9.8775601	10.0603267
3	9.8173785	9.9399284	57	9.8774501	10.0600716
4	9.8175235	9.9401835	56	9.8773401	10.0598165
5	9.8176685	9.9404385	55	9.8772300	10.0595615
6	9.8178133	9.9406936	54	9.8771198	10.0593064
7	9.8179581	9.9409486	53	9.8770090	10.0590514
8	9.8181028	9.9412036	52	9.8768993	10.0587964
9	9.8182474	9.9414585	51	9.8767889	10.0585415
10	9.8183919	9.9417135	50	9.8766785	10.0582865
11	9.8185364	9.9419684	49	9.8765680	10.0580316
12	9.8186807	9.9422233	48	9.8764574	10.0577767
13	9.8188250	9.9424782	47	9.8763468	10.0575218
14	9.8189692	9.9427331	46	9.8762361	10.0572669
15	9.8191133	9.9429879	45	9.8761253	10.0570121
16	9.8192573	9.9432428	44	9.8760145	10.0567572
17	9.8194012	9.9434976	43	9.8759036	10.0565024
18	9.8195450	9.9437524	42	9.8757927	10.0562476
19	9.8196888	9.9440072	41	9.8756816	10.0559928
20	9.8198325	9.9442519	40	9.8755706	10.0557381
21	9.8199761	9.9445166	39	9.8754594	10.0554834
22	9.8201196	9.9447714	38	9.8753482	10.0552286
23	9.8202630	9.9450261	37	9.8752369	10.0549739
24	9.8204063	9.9452807	36	9.8751256	10.0547153
25	9.8205496	9.9455354	35	9.8750142	10.0544646
26	9.8206927	9.9457900	34	9.8749027	10.0542100
27	9.8208358	9.9460447	33	9.8747912	10.0539553
28	9.8209788	9.9462993	32	9.8746795	10.0537007
29	9.8211217	9.9465539	31	9.8745679	10.0534461
30	9.8212646	9.9468084	30	9.8744561	10.0531916

Minut.	41. Grad. Log. Sin.	Log. Tang.	Minut.	48. Grad. Log. Sin.	Log. Tang.
30	9.8212646	9.9468084	30	9.8744561	10.0531916
31	9.8214073	9.9470630	29	9.8743443	10.0529370
32	9.8215500	9.9473175	28	9.8742325	10.0526825
33	9.8216926	9.9475720	27	9.8741205	10.0524280
34	9.8218351	9.9478265	26	9.8740085	10.0521735
35	9.8219775	9.9480810	25	9.8738965	10.0519190
36	9.8221198	9.9483355	24	9.8737844	10.0516645
37	9.8222621	9.9485899	23	9.8736722	10.0514101
38	9.8224042	9.9488443	22	9.8735599	10.0511557
39	9.8225463	9.9490987	21	9.8734476	10.0509013
40	9.8226883	9.9493531	20	9.8733352	10.0506469
41	9.8228302	9.9496075	19	9.8732227	10.0503925
42	9.8229721	9.9498619	18	9.8731102	10.0501381
43	9.8231138	9.9501162	17	9.8729976	10.0498838
44	9.8232555	9.9503705	16	9.8728849	10.0496295
45	9.8233971	9.9506248	15	9.8727722	10.0493752
46	9.8235386	9.9508791	14	9.8726594	10.0491209
47	9.8236800	9.9511334	13	9.8725466	10.0488666
48	9.8238213	9.9513876	12	9.8724337	10.0486124
49	9.8239626	9.9516419	11	9.8723207	10.0483581
50	9.8241037	9.9518961	10	9.8722076	10.0481039
51	9.8242448	9.9521503	9	9.8720945	10.0478497
52	9.8243858	9.9524045	8	9.8719813	10.0475955
53	9.8245267	9.9526587	7	9.8718681	10.0473413
54	9.8246676	9.9529128	6	9.8717548	10.0470872
55	9.8248083	9.9531670	5	9.8716414	10.0468330
56	9.8249490	9.9534211	4	9.8715279	10.0465789
57	9.8250896	9.9536752	3	9.8714144	10.0463248
58	9.8252301	9.9539293	2	9.8713008	10.0460707
59	9.8253705	9.9541834	1	9.8711872	10.0458166
60	9.8255109	9.9544374	0	9.8710735	10.0455626

Minut.	42. Grad. Log. Sin.	42. Grad. Log. Tang.	Minut.	47. Grad. Log. Sin.	47. Grad. Log. Tang.
0	9.8255109	9.9544374	60	9.8710735	10.0455626
1	9.8256512	9.9546915	59	9.8709597	10.0453085
2	9.8257913	9.9549455	58	9.8708458	10.0450545
3	9.8259314	9.9551995	57	9.8707319	10.0448005
4	9.8260715	9.9554535	56	9.8706179	10.0445465
5	9.8262114	9.9557075	55	9.8705039	10.0442925
6	9.8263512	9.9559615	54	9.8703898	10.0440385
7	9.8264910	9.9562154	53	9.8702756	10.0437846
8	9.8266307	9.9564694	52	9.8701613	10.0435306
9	9.8267703	9.9567233	51	9.8700470	10.0432767
10	9.8269098	9.9569772	50	9.8699326	10.0430228
11	9.8270493	9.9572311	49	9.8698182	10.0427689
12	9.8271887	9.9574850	48	9.8697037	10.0425150
13	9.8273279	9.9577389	47	9.8695891	10.0422611
14	9.8274671	9.9579927	46	9.8694744	10.0420073
15	9.8276063	9.9582465	45	9.8693597	10.0417535
16	9.8277453	9.9585004	44	9.8692449	10.0414996
17	9.8278843	9.9587542	43	9.8691301	10.0412458
18	9.8280231	9.9590080	42	9.8690152	10.0409920
19	9.8281619	9.9592618	41	9.8689002	10.0407382
20	9.8283006	9.9595155	40	9.8687851	10.0404845
21	9.8284393	9.9597693	39	9.8686700	10.0402307
22	9.8285778	9.9600230	38	9.8685548	10.0399770
23	9.8287163	9.9602767	37	9.8684396	10.0397233
24	9.8288547	9.9605305	36	9.8683242	10.0394695
25	9.8289930	9.9607842	35	9.8682088	10.0392158
26	9.8291312	9.9610378	34	9.8680934	10.0389622
27	9.8292694	9.9612915	33	9.8679779	10.0387085
28	9.8294075	9.9615452	32	9.8678623	10.0384548
29	9.8295454	9.9617988	31	9.8677466	10.0382012
30	9.8296833	9.9620525	30	9.8676309	10.0379475

Minut.	42. Grad. Log. Sin.	42. Grad. Log. Tang.	Minut.	47. Grad. Log. Sin.	47. Grad. Log. Tang.
30	9.8296833	9.9620525	30	9.8676309	10.0379475
31	9.8298212	9.9623061	29	9.8675151	10.0376939
32	9.8299589	9.9625597	28	9.8673992	10.0374403
33	9.8300966	9.9628133	27	9.8672833	10.0371867
34	9.8302342	9.9630669	26	9.8671673	10.0369331
35	9.8303717	9.9633204	25	9.8670512	10.0366796
36	9.8305091	9.9635740	24	9.8669351	10.0364260
37	9.8306464	9.9638275	23	9.8668189	10.0361725
38	9.8307837	9.9640811	22	9.8667026	10.0359189
39	9.8309209	9.9643346	21	9.8665863	10.0356654
40	9.8310580	9.9645881	20	9.8664699	10.0354119
41	9.8311950	9.9648416	19	9.8663534	10.0351584
42	9.8313320	9.9650951	18	9.8662369	10.0349049
43	9.8314688	9.9653486	17	9.8661203	10.0346514
44	9.8316056	9.9656020	16	9.8660036	10.0343980
45	9.8317423	9.9658555	15	9.8658868	10.0341445
46	9.8318789	9.9661089	14	9.8657700	10.0338911
47	9.8320155	9.9663623	13	9.8656531	10.0336377
48	9.8321519	9.9666157	12	9.8655362	10.0333843
49	9.8322883	9.9668692	11	9.8654192	10.0331308
50	9.8324246	9.9671225	10	9.8653021	10.0328775
51	9.8325609	9.9673759	9	9.8651849	10.0326241
52	9.8326970	9.9676293	8	9.8650677	10.0323707
53	9.8328331	9.9678827	7	9.8649504	10.0321173
54	9.8329691	9.9681360	6	9.8648331	10.0318640
55	9.8331050	9.9683893	5	9.8647156	10.0316107
56	9.8332408	9.9686427	4	9.8645981	10.0313573
57	9.8333766	9.9688960	3	9.8644806	10.0311040
58	9.8335122	9.9691493	2	9.8643629	10.0308507
59	9.8336478	9.9694026	1	9.8642452	10.0305974
60	9.8337833	9.9696559	0	9.8641275	10.0303441

Minut.	43. Grad. Log. Sin.	43. Grad. Log. Tang.	Minut.	46. Grad. Log. Sin.	46. Grad. Log. Tang.
0	9.8337833	9.9696559	60	9.8641275	10.0303441
1	9.8339188	9.9699091	59	9.8640096	10.0300909
2	9.8340541	9.9701622	58	9.8638917	10.0298376
3	9.8341894	9.9704157	57	9.8637737	10.0295843
4	9.8343246	9.9706689	56	9.8636557	10.0293311
5	9.8344597	9.9709221	55	9.8635376	10.0290779
6	9.8345948	9.9711754	54	9.8634194	10.0288246
7	9.8347297	9.9714286	53	9.8633011	10.0285714
8	9.8348646	9.9716818	52	9.8631828	10.0283182
9	9.8349994	9.9719350	51	9.8630644	10.0280650
10	9.8351341	9.9721882	50	9.8629460	10.0278118
11	9.8352688	9.9724413	49	9.8628274	10.0275587
12	9.8354033	9.9726945	48	9.8627088	10.0273055
13	9.8355378	9.9729477	47	9.8625903	10.0270523
14	9.8356722	9.9732008	46	9.8624714	10.0267992
15	9.8358066	9.9734539	45	9.8623526	10.0265461
16	9.8359408	9.9737071	44	9.8622338	10.0262929
17	9.8360750	9.9739602	43	9.8621148	10.0260398
18	9.8362091	9.9742133	42	9.8619958	10.0257867
19	9.8363431	9.9744664	41	9.8618767	10.0255336
20	9.8364771	9.9747195	40	9.8617576	10.0252805
21	9.8366109	9.9749726	39	9.8616383	10.0250274
22	9.8367447	9.9752257	38	9.8615190	10.0247743
23	9.8368784	9.9754787	37	9.8613997	10.0245213
24	9.8370121	9.9757318	36	9.8612803	10.0242682
25	9.8371456	9.9759849	35	9.8611608	10.0240151
26	9.8372791	9.9762379	34	9.8610412	10.0237621
27	9.8374125	9.9764909	33	9.8609215	10.0235091
28	9.8375458	9.9767440	32	9.8608018	10.0232560
29	9.8376790	9.9769970	31	9.8606821	10.0230030
30	9.8378122	9.9772500	30	9.8605622	10.0227500

Minut.	43. Grad. Log. Sin.	Log. Tang.	Minut.	46. Grad. Log. Sin.	Log. Tang.
30	9.8378122	9.9772500	30	9.8605622	10.0227500
31	9.8379453	9.9775030	29	9.8604423	10.0224970
32	9.8380783	9.9777560	28	9.8603223	10.0222440
33	9.8382112	9.9780090	27	9.8602022	10.0219910
34	9.8383441	9.9782620	26	9.8600821	10.0217380
35	9.8384769	9.9785149	25	9.8599619	10.0214851
36	9.8386096	9.9787679	24	9.8598416	10.0212321
37	9.8387422	9.9790209	23	9.8597213	10.0209791
38	9.8388747	9.9792738	22	9.8596009	10.0207262
39	9.8390072	9.9795268	21	9.8594804	10.0204732
40	9.8391396	9.9797797	20	9.8593599	10.0202203
41	9.8392719	9.9800326	19	9.8592393	10.0199674
42	9.8394041	9.9802856	18	9.8591186	10.0197144
43	9.8395363	9.9805385	17	9.8589978	10.0194615
44	9.8396684	9.9807914	16	9.8588770	10.0192086
45	9.8398004	9.9810443	15	9.8587561	10.0189557
46	9.8399323	9.9812972	14	9.8586351	10.0187028
47	9.8400642	9.9815501	13	9.8585141	10.0184499
48	9.8401959	9.9818030	12	9.8583929	10.0181970
49	9.8403276	9.9820559	11	9.8582718	10.0179441
50	9.8404593	9.9823087	10	9.8581505	10.0176913
51	9.8405908	9.9825616	9	9.8580292	10.0174384
52	9.8407223	9.9828145	8	9.8579078	10.0171855
53	9.8408537	9.9830673	7	9.8577863	10.0169327
54	9.8409850	9.9833202	6	9.8576648	10.0166798
55	9.8411162	9.9835730	5	9.8575432	10.0164270
56	9.8412474	9.9838259	4	9.8574215	10.0161741
57	9.8413785	9.9840787	3	9.8572998	10.0159213
8	9.8415095	9.9843315	2	9.8571779	10.0156685
9	9.8416404	9.9845844	1	9.8570561	10.0154156
0	9.8417713	9.9848372	0	9.8569341	10.0151628

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Minut.	44. Grad. Log. Sin.	44. Grad. Log. Tang.	Minut.	45. Grad. Log. Sin.	45. Grad. Log. Tang.
0	9.8417713	9.9848372	60	9.8569341	10.0151628
1	9.8419021	9.9850900	59	9.8568121	10.0149100
2	9.8420328	9.9853428	58	9.8566900	10.0146572
3	9.8421634	9.9855956	57	9.8565678	10.0144044
4	9.8422939	9.9858484	56	9.8564455	10.0141516
5	9.8424244	9.9861012	55	9.8563232	10.0138988
6	9.8425548	9.9863540	54	9.8562008	10.0136460
7	9.8426851	9.9866068	53	9.8560784	10.0133932
8	9.8428154	9.9868596	52	9.8559558	10.0131404
9	9.8429456	9.9871123	51	9.8558332	10.0128877
10	9.8430757	9.9873651	50	9.8557106	10.0126349
11	9.8432057	9.9876179	49	9.8555878	10.0123821
12	9.8433356	9.9878706	48	9.8554650	10.0121294
13	9.8434655	9.9881234	47	9.8553421	10.0118766
14	9.8435953	9.9883761	46	9.8552192	10.0116239
15	9.8437250	9.9886289	45	9.8550961	10.0113711
16	9.8438547	9.9888816	44	9.8549730	10.0111184
17	9.8439842	9.9891344	43	9.8548499	10.0108656
18	9.8441137	9.9893871	42	9.8547266	10.0106129
19	9.8442432	9.9896399	41	9.8546033	10.0103601
20	9.8443725	9.9898926	40	9.8544799	10.0101074
21	9.8445018	9.9901453	39	9.8543564	10.0098547
22	9.8446310	9.9903981	38	9.8542329	10.0096019
23	9.8447601	9.9906508	37	9.8541093	10.0093492
24	9.8448891	9.9909035	36	9.8539856	10.0090965
25	9.8450181	9.9911562	35	9.8538619	10.0088438
26	9.8451470	9.9914089	34	9.8537381	10.0085911
27	9.8452758	9.9916616	33	9.8536142	10.0083384
28	9.8454045	9.9919143	32	9.8534902	10.0080857
29	9.8455332	9.9921670	31	9.8533662	10.0078330
30	9.8456618	9.9924197	30	9.8532421	10.0075803

Minut.	44. Grad. Log. Sin.	44. Grad. Log. Tang.	Minut.	45. Grad. Log. Sin.	45. Grad. Log. Tang.
30	9.8456618	9.9924197	30	9.8532421	10.0075803
31	9.8457903	9.9926724	29	9.8531179	10.0073276
32	9.8459188	9.9929251	28	9.8529936	10.0070749
33	9.8460471	9.9931778	27	9.8528693	10.0068222
34	9.8461754	9.9934305	26	9.8527449	10.0065695
35	9.8463036	9.9936832	25	9.8526204	10.0063168
36	9.8464318	9.9939359	24	9.8524959	10.0060641
37	9.8465599	9.9941886	23	9.8523713	10.0058114
38	9.8466879	9.9944413	22	9.8522466	10.0055587
39	9.8468158	9.9946940	21	9.8521218	10.0053060
40	9.8469436	9.9949466	20	9.8519970	10.0050534
41	9 8470714	9.9951993	19	9.8518721	10.0048007
42	9.8471991	9.9954520	18	9.8517471	10.0045480
43	9.8473267	9.9957047	17	9.8516220	10.0042953
44	9.8474543	9.9959573	16	9.8514969	10.0040427
45	9.8475817	9.9962100	15	9.8513717	10.0037900
46	9.8477091	9.9964627	14	9.8512465	10.0035373
47	9.8478365	9.9967154	13	9.8511211	10.0032846
48	9.8479637	9.9969680	12	9.8509957	10.0030320
49	9.8480909	9.9972207	11	9.8508702	10.0027793
50	9.8482180	9.9974734	10	9.8507446	10.0025266
51	9.8483450	9.9977260	9	9.8506190	10.0022740
52	9.8484720	9.9979787	8	9.8504933	10.0020213
53	9.8485989	9.9982314	7	9.8503675	10.0017686
54	9.8487257	9.9984840	6	9.8502417	10.0015160
55	9 8488524	9.9987367	5	9.8501157	10.0012633
56	9.8489791	9.9989893	4	9.8499897	10.0010107
57	9.8491057	9.9992420	3	9.8498637	10.0007580
58	9.8492322	9.9994947	2	9.8497375	10.0005053
59	9.8493586	9.9997473	1	9.8496113	10.0002527
60	9.8494850	10.000000	0	9.8494850	10.0000000

H. BRIGGII

TABULA LOGARITHMORUM,

PRO

NUMERIS NATURALI SERIE CRESCENTIBUS.

N.	Logarith.	N.	Logarith.	N.	Logarith.
1	0.0000000	34	1.5314789	67	1.8260748
2	0.3010300	35	1.5440680	68	1.8325089
3	0.4771212	36	1.5563025	69	1.8388491
4	0.6020600	37	1.5682017	70	1.8450980
5	0.6989700	38	1.5797836	71	1.8512583
6	0.7781512	39	1.5910646	72	1.8573325
7	0.8450980	40	1.6020600	73	1.8633229
8	0.9030900	41	1.6127839	74	1.8692317
9	0.95[illegible]2425	42	1.6232493	75	1.8750613
10	1.0000009	43	1.6334685	76	1.8808136
11	1.0413927	44	1.6434527	77	1.8864907
12	1.0791812	45	1.6532125	78	1.8920946
13	1.1139433	46	1.6627578	79	1.8976271
14	1.1461280	47	1.6720979	80	1.9030900
15	1.1760913	48	1.6812412	81	1.9084850
16	1.2041200	49	1.6901961	82	1.9138138
17	1.2304489	50	1.6989700	83	1.9190781
18	1.2552725	51	1.7075702	84	1.9242793
19	1.2787536	52	1.7160033	85	1.9294189
20	1.3010300	53	1.7242759	86	1.9344984
21	1.3222193	54	1.7323938	87	1.9395192
22	1.3424227	55	1.7403627	88	1.9444827
23	1.3617278	56	1.7481880	89	1.9493900
24	1.3802112	57	1.7558748	90	1.9542425
25	1.3979400	58	1.7634280	91	1.9590414
26	1.4149733	59	1.7708520	92	1.9637878
27	1.4313638	60	1.7781512	93	1.9684829
28	1.4471580	61	1.7853298	94	1.9731278
29	1.4623980	62	1.7923917	95	1.9777236
30	1.4771212	63	1.7993405	96	1.9822712
31	1.4913617	64	1.8061800	97	1.9867717
32	1.5051500	65	1.8129133	98	1,9912261
33	1.5185139	66	1.8195439	99	1.9956352
34	1.5314789	67	1.8260748	100	2,0000000

N.	Logarith.	N.	Logarith.	N	Logarith.
101	2.0043214	134	2.1271048	167	2.2227165
102	2.0086002	135	2.1303338	168	2.2253093
103	2.0128372	136	2.1335389	169	2.2278867
104	2.0170333	137	2.1367206	170	2.2304489
105	2.0211893	138	2.1398791	171	2.2329961
106	2.0253059	139	2.1430148	172	2.2355284
107	2.0293838	140	2.1461280	173	2.2380461
108	2.0334238	141	2.1492191	174	2.2405492
109	2.0374265	142	2.1522883	175	2.2430380
110	2.0413927	143	2.1553360	176	2.2455127
111	2.0453230	144	2.1583625	177	2.2479733
112	2.0492180	145	2.1613680	178	2.2504200
113	2.0530784	146	2.1643528	179	2.2528530
114	2.0569048	147	2.1673173	180	2.2552725
115	2.0606978	148	2.1702617	181	2.2576786
116	2.0644580	149	2.1731863	182	2.2600714
117	2.0681859	150	2.1760913	183	2.2624511
118	2.0718820	151	2.1789769	184	2.2648178
119	2.0755470	152	2.1818436	185	2.2671717
120	2.0791812	153	2.1846914	186	2.2695129
121	2.0827854	154	2.1875207	187	2.2718416
122	2.0863598	155	2.1903317	188	2.2741578
123	2.0899051	156	2.1931246	189	2.2764618
124	2.0934217	157	2.1958996	190	2.2787536
125	2.0969100	158	2.1986571	191	2.2810334
126	2.1003705	159	2.2013971	192	2.2833012
127	2.1038037	160	2.2041200	193	2.2855573
128	2.1072100	161	2.2068259	194	2.2878017
129	2.1105897	162	2.2095150	195	2.2900346
130	2.1139433	163	2.2121876	196	2.2922561
131	2.1172713	164	2.2148438	197	2.2944652
132	2.1205739	165	2.2174839	198	2.2966692
133	2.1238516	166	2.2201081	199	2.2988531
134	2.1271048	167	2.2227165	200	2.3010300

N.	Logarith.	N.	Logarith.	N.	Logarith.
201	2.3031961	234	2.3692159	267	2.4265113
202	2.3053514	235	2.3710679	268	2.4281348
203	2.3074960	236	2.3729120	269	2.4297523
204	2.3096302	237	2.3737483	270	2.4313633
205	2.3117539	238	2.3765770	271	2.4329693
206	2.3138672	239	2.3783979	272	2.4345689
207	2.3159703	240	2.3802112	273	2.4361626
208	2.3180633	241	2.3820170	274	2.4377506
209	2.3201463	242	2.3838154	275	2.4393327
210	2.3222193	243	2.3856063	276	2.4409091
211	2.3242825	244	2.3873898	277	2.4424798
212	2.3263359	245	2.3891661	278	2.4440448
213	2.3283796	246	2.3909351	279	2.4456042
214	2.3304138	247	2.3926969	280	2.4471580
215	2.3324385	248	2.3944517	281	2.4487063
216	2.3344537	249	2.3961993	282	2.4502491
217	2.3364597	250	2.3979400	283	2.4517864
218	2.3384565	251	2.3996737	284	2.4533183
219	2.3404441	252	2.4014005	285	2.4548449
220	2.3424227	253	2.4031205	286	2.4563660
221	2.3443923	254	2.4048337	287	2.4578819
222	2.3463536	255	2.4065402	288	2.4593925
223	2.3483049	256	2.4082400	289	2.4608978
224	2.3502480	257	2.4099331	290	2.4623980
225	2.3521825	258	2.4116197	291	2.4638930
226	2.3541080	259	2.4132998	292	2.4653828
227	2.3560259	260	2.4149733	293	2.4668676
228	2.3579348	261	2.4166405	294	2.4683473
229	2.3598355	262	2.4183013	295	2.4698220
230	2.3617278	263	2.4199557	296	2.4712917
231	2.3636120	264	2.4216039	297	2.4727564
232	2.3654880	265	2.4232459	298	2.4742163
233	2.3673559	266	2.4248816	299	2.4756712
234	2.3692159	267	2.4265113	300	2.4771213

N.	Logarith.	N.	Logarith.	N.	Logarith.
301	2.4785665	334	2.5237465	367	2.5646661
302	2.4800069	335	2.5250448	368	2.5658478
303	2.4814426	336	2.5263393	369	2.5670264
304	2.4828736	337	2.5276299	370	2.5682017
305	2.4842998	338	2.5289167	371	2.5693739
306	2.4857214	339	2.5301997	372	2.5705429
307	2.4871384	340	2.5314789	373	2.5717088
308	2.4885507	341	2.5327544	374	2.5728716
309	2.4899585	342	2.5340261	375	2.5740313
310	2.4913617	343	2.5352941	376	2.5751878
311	2.4927604	344	2.5365584	377	2.5763413
312	2.4941546	345	2.5378191	378	2.5774918
313	2.4955443	346	2.5390761	379	2.5786392
314	2.4969296	347	2.5403295	380	2.5797836
315	2.4983106	348	2.5415792	381	2.5809250
316	2.4996871	349	2.5428254	382	2.5820634
317	2.5010593	350	2.5440680	383	2.5831988
318	2.5024271	351	2.5453071	384	2.5843312
319	2.5037907	352	2.5465427	385	2.5854607
320	2.5051500	353	2.5477746	386	2.5865873
321	2.5065050	354	2.5490033	387	2.5877110
322	2.5078559	355	2.5502284	388	2.5888317
323	2.5092025	356	2.5514500	389	2.5899496
324	2.5105450	357	2.5526682	390	2.5910646
325	2.5118834	358	2.5538830	391	2.5921768
326	2.5132176	359	2.5550944	392	2.5932861
327	2.5145477	360	2.5563025	393	2.5943925
328	2.5158738	361	2.5575072	394	2.5954962
329	2.5171959	362	2.5587686	395	2.5965971
330	2.5185139	363	2.5599066	396	2.5976952
331	2.5198280	364	2.5611014	397	2.5987905
332	2.5211381	365	2.5622929	398	2.5998831
333	2.5224442	366	2.5634811	399	2.6009729
334	2.5237465	367	2.5646661	400	2.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith
401	2.6031444	434	2.6374897	467	2.6693169
402	2.6042261	435	2.6384893	468	2.6702459
403	2.6053050	436	2.6394865	469	2.6711728
404	2.6063814	437	2.6404814	470	2 6720979
405	2.6074550	438	2.6414741	471	2.6730209
406	2.6085260	439	2.6424645	472	2.6739420
407	2.6095944	440	2.6434527	473	2.6748611
408	2.6106602	441	2.6444386	474	2.6757783
409	2.6117233	442	2.6454223	475	2.6766936
410	2.6127839	443	2.6464037	476	2.6776069
411	2.6138418	444	2.6473830	477	2.6785184
412	2.6148972	445	2.6483600	478	2.6794279
413	2.6159500	446	2.6493349	479	2.6803555
414	2.6170003	447	2.6503075	480	2.6812412
415	2.6180481	448	2.6512780	481	2.6821451
416	2.6190933	449	2.6522463	482	2.6830470
417	2.6201361	450	2.6532125	483	2.6839471
418	2.6211763	451	2.6541765	484	2.6848454
419	2.6222140	452	2.6551384	485	2.6857417
420	2.6232493	453	2.6560982	486	2.6866363
421	2.6242821	454	2.6570558	487	2.6875290
422	2.6253124	455	2.6580114	488	2.6884198
423	2.6263404	456	2.6589648	489	2.6893089
424	2.6273659	457	2.6599162	490	2.6901961
425	2.6283889	458	2.6608655	491	2.6910815
426	2.6294096	459	2.6618127	492	2.6919651
427	2.6304279	460	2.6627578	493	2.6928469
428	2.6314438	461	2.6637009	494	2.6937269
429	2.6324573	462	2.6646420	495	2.6946052
430	2.6334685	463	2 6655810	496	2.6954817
431	2.6344773	464	2.6665180	497	2.6963564
432	2.6354837	465	2.6674529	498	2.6972293
433	2.6364879	466	2.6683859	499	2.6981005
434	2.6374897	467	2.6693169	500	2.6989700

N.	Logarith.	N.	Logarith.	N.	Logarith.
501	2.6998377	534	2.7275413	567	2.7535831
502	2.7007073	535	2.7283538	568	2.7543483
503	2.7015680	536	2.7291648	569	2.7551123
504	2.7024305	537	2.7299743	570	2.7558749
505	2.7032914	538	2.7307823	571	2.7566361
506	2.7041505	539	2.7315888	572	2.7573960
507	2.7050080	540	2.7323938	573	2.7581546
508	2.7058637	541	2.7331973	574	2.7589119
509	2.7067178	542	2.7339993	575	2.7596678
510	2.7075702	543	2.7347998	576	2.7604225
511	2.7084209	544	2.7355989	577	2.7611758
512	2.7092700	545	2.7363965	578	2.7619278
513	2.7101174	546	2.7371926	579	2.7626786
514	2.7109631	547	2.7379873	580	2.7634280
515	2.7118072	548	2.7387806	581	2.7641761
516	2.7126497	549	2.7395723	582	2.7649230
517	2.7134905	550	2.7403627	583	2.7656686
518	2.7143298	551	2.7411516	584	2.7664128
519	2.7151674	552	2.7419391	585	2.7671559
520	2.7160033	553	2.7427251	586	2.7678976
521	2.7168377	554	2.7435098	587	2.7686381
522	2.7176705	555	2.7442930	588	2.7693773
523	2.7185017	556	2.7450748	589	2.7701153
524	2.7193313	557	2.7458552	590	2.7708520
525	2.7201593	558	2.7466342	591	2.7715875
526	2.7209857	559	2.7474118	592	2.7723217
527	2.7218106	560	2.7481880	593	2.7730547
528	2.7226339	561	2.7489629	594	2.7737864
529	2.7234557	562	2.7497363	595	2.7745170
530	2.7242759	563	2.7505084	596	2.7752463
531	2.7250945	564	2.7512791	597	2.7759743
532	2.7259116	565	2.7520484	598	2.7767012
533	2.7267272	566	2.7528264	599	2.7774268
534	2.7275413	567	2.7535831	600	2.7781512

N.	Logarith.	N.	Logarith.	N.	Logarith.
601	2.7788745	634	2.8020893	667	2.8241258
602	2.7795965	635	2.8027737	668	2.8247765
603	2.7803173	636	2.8034571	669	2.8254261
604	2.7810369	637	2.8041394	670	2.8260748
605	2.7817554	638	2.8048207	671	2.8267225
606	2.7824726	639	2.8055009	672	2.8273693
607	2.7831887	640	2.8061800	673	2.8280151
608	2.7839036	641	2.8068580	674	2.8286599
609	2.7846173	642	2.8075350	675	2.8293038
610	2.7853298	643	2.8082110	676	2.8299467
611	2.7860412	644	2.8088859	677	2.8305887
612	2.7867514	645	2.8095597	678	2.8312297
613	2.7874605	646	2.8102325	679	2.8318698
614	2.7881684	647	2.8109043	680	2.8325089
615	2.7888751	648	2.8115750	681	2.8331471
616	2.7895807	649	2.8122447	682	2.8337844
617	2.7902852	650	2.8129134	683	2.8344207
618	2.7909885	651	2.8135810	684	2.8350561
619	2.7916906	652	2.8142476	685	2.8356906
620	2.7923917	653	2.8149132	686	2.8363241
621	2.7930916	654	2.8155777	687	2.8369567
622	2.7937904	655	2.8162413	688	2.8375884
623	2.7944880	656	2.8169038	689	2.8382192
624	2.7951846	657	2.8175654	690	2.8388491
625	2.7958800	658	2.8182259	691	2.8394780
626	2.7965743	659	2.8188854	692	2.8401061
627	2.7972675	660	2.8195439	693	2.8407332
628	2.7979596	661	2.8202015	694	2.8413595
629	2.7986506	662	2.8208580	695	2.8419848
630	2.7993405	663	2.8215135	696	2.8426092
631	2.8000294	664	2.8221681	697	2.8432328
632	2.8007171	665	2.8228216	698	2.8438554
633	2.8014037	666	2.8234742	699	2.8444772
634	2.8020893	667	2.8241258	700	2.8450980

N.	Logarith.	N.	Logarith.	N.	Logarith.
701	2.8457180	734	2.8656961	767	2.8847954
702	2.8463371	735	2.8662873	768	2.8853612
703	2.8469553	736	2.8668778	769	2.8859263
704	2.8475727	737	2.8674675	770	2.8864907
705	2.8481891	738	2.8680564	771	2.8870544
706	2.8488047	739	2.8686444	772	2.8876173
707	2.8494194	740	2.8692317	773	2.8881795
708	2.8500333	741	2.8698182	774	2.8887410
709	2.8506462	742	2.8704039	775	2.8893017
710	2.8512583	743	2.8709888	776	2.8898617
711	2.8518696	744	2.8715729	777	2.8904210
712	2.8524800	745	2.8721563	778	2.8909796
713	2.8530895	746	2.8727388	779	2.8915375
714	2.8536982	747	2.8733206	780	2.8920946
715	2.8543060	748	2.8739016	781	2.8926510
716	2.8549130	749	2.8744818	782	2.8932068
717	2.8555192	750	2.8750613	783	2.8937618
718	2.8561244	751	2.8756399	784	2.8943161
719	2.8567289	752	2.8772178	785	2.8948696
720	2.8573325	753	2.8767950	786	2.8954225
721	2.8579353	754	2.8773713	787	2.8959747
722	2.8585372	755	2.8779470	788	2.8965262
723	2.8591383	756	2.8785218	789	2.8970770
724	2.8597386	757	2.8790959	790	2.8976271
725	2.8603380	758	2.8796692	791	2.8981765
726	2.8609366	759	2.8802418	792	2.8987252
727	2.8615344	760	2.8808136	793	2.8992732
728	2.8621314	761	2.8813847	794	2.8998205
729	2.8627275	762	2.8819550	795	2.9003671
730	2.8633229	763	2.8825245	796	2.9009131
731	2.8639174	764	2.8830934	797	2.9014583
732	2.8645111	765	2.8836614	798	2.9020029
733	2.8651040	766	2.8842288	799	2.9025468
734	2.8656961	767	2.8847954	800	2.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.
801	2.9036325	834	2.9211660	867	2.9380191
802	2.9041744	835	2.9216865	868	2.9385197
803	2.9047155	836	3.9222063	869	2.9390198
804	2.9052560	837	2.9227255	870	2.9395192
805	2.9057959	838	2.9232440	871	2.9400182
806	2.9063350	839	2.9237620	872	2.9405165
807	2.9068735	840	2.9242793	873	2.9410142
808	2.9064114	841	2.9247960	874	2.9415114
809	2.9079485	842	2.9253121	875	2.9420081
810	2.9084850	843	2.9258276	876	2.9425041
811	2.9090208	844	2.9263424	877	2.9429996
812	2.9095560	845	2.9268567	878	2.9434945
813	2.9100905	846	2.9273704	879	2.9439889
814	2.9106244	847	2.9278834	880	2.9444827
815	2.9111576	848	2.9283959	881	2.9449759
816	2.9116902	849	2.9289077	882	2.9454686
817	2.9122221	850	2.9294189	883	2.9459607
818	2.9127533	851	2.9299296	884	2.9464523
819	2.9132839	852	2.9304396	885	2.9469433
820	2.9138139	853	2.9309490	886	2.9474337
821	2.9143432	854	2.9314579	887	2.9479236
822	2.9148718	855	2.9319661	888	2.9484130
823	2.9153998	856	2.9324738	889	2.9489018
824	2.9159272	857	2.9329808	890	2.9493900
825	2.9164539	858	2.9334873	891	2.9498777
826	2.9169800	859	2.9339932	892	2.9503648
827	2.9175055	860	2.9344984	893	2.9508515
828	2.9180303	861	2.9350031	894	2.9513375
829	2.9185545	862	2.9355073	895	2.9518230
830	2.9190781	863	2.9360108	896	2.9523080
831	2.9196010	864	2.9365137	897	2.9527924
832	2.9201233	865	2.9370161	898	2.9532763
833	2.9206450	866	2.9375179	899	2.9537597
834	2.9211660	867	2.9380191	900	2.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
901	2.9547248	934	2.9703469	967	2.9854265
902	2.9552065	935	2.9708116	968	2.9858753
903	2.9556877	936	2.9712758	969	2.9863238
904	2.9561684	937	2.9717396	970	2.9867717
905	2.9566486	938	2.9722028	971	2.9872192
906	2.9571282	939	2.9726656	972	2.9876663
907	2.9576073	940	2.9731279	973	2.9881128
908	2.9580858	941	2.9735896	974	2.9885590
909	2.9585639	942	2.9740509	975	2.9890046
910	2.9590414	943	2.9745117	976	2.9894498
911	2.9595184	944	2.9749720	977	2.9898946
912	2.9599948	945	2.9754318	978	2.9903389
913	2.9604708	946	2.9758911	979	2.9907827
914	2.9609462	947	2.9763500	980	2.9912261
915	2.9614211	948	2.9768083	981	2.9916690
916	2.9618955	949	2.9772662	982	2.9921115
917	2.9623693	950	2.9777236	983	2.9925535
918	2.9628427	951	2.9781805	984	2.9929951
919	2.9633155	952	2.9786369	985	2.9934462
920	2.9637878	953	2.9790929	986	2.9938769
921	2.9642596	954	2.9795484	987	2.9943172
922	2.9647309	955	2.9800034	88	2.9947569
923	2.9952017	956	2.9804579	89	2.9951963
924	2.9656720	957	2.9809119	990	2.9956352
925	2.9661417	958	2.9813655	991	2.9960737
926	2.9666110	959	2.9818186	992	2.9965117
927	2.9670797	960	2.9822712	993	2.9969492
928	2.9675480	961	2.9827234	994	2.9973864
929	2.9680157	962	2.9831751	995	2.9978231
930	2.9684829	963	2.9836263	996	2.9982593
931	2.9689497	964	2.9840770	997	2.9986952
932	2.9694159	965	2.9845273	998	2.9991305
933	2.9698816	966	2.9849771	999	2.9995655
934	2.9703469	967	2.9854265	1000	3.0000000

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1001	3.0004341	1034	3.0145205	1067	3.0281644
1002	3.0008677	1035	3.0149403	1068	3.0285712
1003	3.0013009	1036	3.0153598	1069	3.0289777
1004	3.0017337	1037	3.0157788	1070	3.0293838
1005	3.0021661	1038	3.0161974	1071	3.0297895
1006	3.0025980	1039	3.0166155	1072	3.0301948
1007	3.0030295	1040	3.0170333	1073	3.0305997
1008	3.0034605	1041	3.0174507	1074	3.0310043
1009	3.0038912	1042	3.0174677	1075	3.0314085
1010	3.0043214	1043	3.0182843	1076	3.0318123
1011	3.0047512	1044	3.0187005	1077	3.0322157
1012	3.0051805	1045	3.0191163	1078	3.0326188
1013	3.0056094	1046	3.0195317	1079	3.0330214
1014	3.0060380	1047	3.0199467	1080	3.0334238
1015	3.0064660	1048	3.0203613	1081	3.0338257
1016	3.0068937	1049	3.0207755	1082	3.0342273
1017	3.0073209	1050	3.0211893	1083	3.0346285
1018	3.0077478	1051	3.0216027	1084	3.0350293
1019	3.0081742	1052	3.0220157	1085	3.0354297
1020	3.0086002	1053	3.0224284	1086	3.0358298
1021	3.0090257	1054	3.0228406	1087	3.0362295
1022	3.0094509	1055	3.0232525	1088	3.0366289
1023	3.0098756	1056	3.0236639	1089	3.0370279
1024	3.0103000	1057	3.0240750	1090	3.0374265
1025	3.0107239	1058	3.0244857	1091	3.0378248
1026	3.0111474	1059	3.0248960	1092	3.0382226
1027	3.0115704	1060	3.0253059	1093	3.0386202
1028	3.0119931	1061	3.0257154	1094	3.0390173
1029	3.0124154	1062	3.0261245	1095	3.0394141
1030	3.0128372	1063	3.0265333	1096	3.0398106
1031	3.0132587	1064	3.0269416	1097	3.0402066
1032	3.0136797	1065	3.0273496	1098	3.0406023
1033	3.0141003	1066	3.0277572	1099	3.0409977
1034	3.0145205	1067	3.0281644	1100	3.0413927

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1101	3.0417873	1134	3.0546131	1167	3.0670709
1102	3.0421816	1135	3.0549959	1168	3.0674428
1103	3.0425755	1136	3.0553783	1169	3.0678145
1104	3.0429691	1137	3.0557605	1170	3.0681859
1105	3.0433623	1138	3.0561423	1171	3.0685569
1106	3.0437551	1139	3.0565237	1172	3.0689276
1107	3.0441476	1140	3.0569048	1173	3.0692980
1108	3.0445398	1141	3.0572856	1174	3.0696681
1109	3.0449315	1142	3.0576661	1175	3.0700379
1110	3.0453230	1143	3.0580462	1176	3.0704073
1111	3.0457140	1144	3.0584260	1177	3.0707765
1112	3.0461048	1145	3.0588055	1178	3.0711453
1113	3.0464952	1146	3.0591846	1179	3.0715138
1114	3.0468852	1147	3.0595634	1180	3.0718820
1115	3.0472749	1148	3.0599419	1181	3.0722499
1116	3.0476642	1149	3.0603200	1182	3.0726175
1117	3.0480532	1150	3.0606978	1183	3.0729847
1118	3.0484418	1151	3.0610753	1184	4.0733517
1119	3.0488301	1152	3.0614525	1185	3.0737183
1120	3.0492180	1153	3.0618293	1186	3.0740847
1121	3.0496056	1154	3.0622058	1187	3.0744507
1122	3.0499929	1155	3.0625820	1188	3.0748164
1123	3.0503798	1156	3.0629578	1189	3.0751818
1124	3.0507663	1157	3.0633334	1190	3.0755470
1125	3.0511525	1158	3.0637086	1191	3.0759118
1126	3.0515384	1159	3.0640834	1192	3.0762763
1127	3.0519239	1160	3.0644580	1193	3.0766404
1128	3.0523091	1161	3.0648322	1194	3.0770043
1129	3.0526939	1162	3.0652061	1195	3.0773679
1130	3.0530784	1163	3.0655797	1196	3.0777312
1131	3.0534626	1164	3.0659530	1197	3.0780941
1132	3.0538464	1165	3.0663259	1198	3.0784568
1133	3.0542299	1166	3.0666986	1199	3.0788192
1134	3.0546130	1167	3.0670709	1200	3.0791812

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1201	3.0795430	1234	3.0913152	1267	3.1027766
1202	3.0799045	1235	3.0916670	1268	3.1031192
1203	3.0802656	1236	3.0920185	1269	3.1034616
1204	3.0806265	1237	3.0923697	1270	3.1038037
1205	3.0809870	1238	3.0927206	1271	3.1041456
1206	3.0813473	1239	3.0930712	1272	3.1044871
1207	3.0817073	1240	3.0934217	1273	3.1048284
1208	3.0820669	1241	3.0937718	1274	3.1051694
1209	3.0824263	1242	3.0941216	1275	3.1055102
1210	3.0827854	1243	3.0944711	1276	3.1058507
1211	3.0831441	1244	3.0948204	1277	3.1061909
1212	3.0835026	1245	3.0951693	1278	3.1065309
1213	3.0838608	1246	3.0955180	1279	3.1068705
1214	3.0842187	1247	3.0958664	1280	3.1072100
1215	3.0845763	1248	3.0962146	1281	3.1075491
1216	3.0849396	1249	3.0965624	1282	3.1078880
1217	3.0852906	1250	3.0969100	1283	3.1082266
1218	3.0856473	1251	3.0972573	1284	3.1085650
1219	3.0860037	1252	3.0976043	1285	3.1089031
1220	3.0863598	1253	3.0979511	1286	3.1092410
1221	3.0867157	1254	3.0982975	1287	3.1095785
1222	3.0870712	1255	3.0986437	1288	3.1099159
1223	3.0874264	1256	3.0989896	1289	3.1102529
1224	3.0877814	1257	3.0993353	1290	3.1105897
1225	3.0881361	1258	3.0996806	1291	3.1109262
1226	3.0884905	1259	3.1000257	1292	3.1112625
1227	3.0888446	1260	3.1003705	1293	3.1115985
1228	3.0891984	1261	3.1007151	1294	3.1119343
1229	3.0895519	1262	3.1010594	1295	3.1122698
1230	3.0899051	1263	3.1014033	1296	3.1126050
1231	3.0902580	1264	3.1017471	1297	3.1129400
1232	3.0906107	1265	3.1020905	1298	3.1132747
1233	3.0909631	1266	3.1024337	1299	3.1136092
1234	3.0913152	1267	3.1027766	1300	3.1139434

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1301	3.1142773	1334	3.1251558	1367	3.1357685
1302	3.1146110	1335	3.1254813	1368	3.1360861
1303	3.1149444	1336	3.1258065	1369	3.1364034
1304	3.1152776	1337	3.1261314	1370	3.1367206
1305	3.1156105	1338	3.1264561	1371	3.1370375
1306	3.1159432	1339	3.1267806	1372	3.1373541
1307	3.1162756	1340	3.1271048	1373	3.1376705
1308	3.1166077	1341	3.1274288	1374	3.1379867
1309	3.1169396	1342	3.1277525	1375	3.1383027
1310	3.1172713	1343	3.1280760	1376	3.1386184
1311	3.1176027	1344	3.1283993	1377	3.1389339
1312	3.1179338	1345	3.1287223	1378	3.1392492
1313	3.1182647	1346	3.1290451	1379	3.1395643
1314	3.1185954	1347	3.1293676	1380	3.1398791
1315	3.1189257	1348	3.1296899	1381	3.1401937
1316	3.1192559	1349	3.1300119	1382	3.1405080
1317	3.1195858	1350	3.1303338	1383	3.1408222
1318	3.1199154	1351	3.1306553	1384	3.1411361
1319	3.1202448	1352	3.1309767	1385	3.1414498
1320	3.1205739	1353	3.1312978	1386	3.1417632
1321	3.1209028	1354	3.1316187	1387	3.1420765
1322	3.1212315	1355	3.1319393	1388	3.1423895
1323	3.1215598	1356	3.1322597	1389	3.1427022
1324	3.1218880	1357	3.1325798	1390	3.1430148
1325	3.1222159	1358	3.1328998	1391	3.1433271
1326	3.1225435	1359	3.1332195	1392	3.1436392
1327	3.1228709	1360	3.1335389	1393	3.1439511
1328	3.1231981	1361	3.1338581	1394	3.1442628
1329	3.1235250	1362	3.1341771	1395	3.1445742
1330	3.1238516	1363	3.1344959	1396	3.1448854
1331	3.1241781	1364	3.1348144	1397	3.1451964
1332	3.1245042	1365	3.1351326	1398	3.1455072
1333	3.1248301	1366	3.1354507	1399	3.1458177
1334	3.1251558	1367	3.1357685	1400	3.1461280

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1401	3.1464381	1434	3.1565491	1467	3.1664301
1402	3.1467480	1435	3.1568519	1468	3.1667261
1403	3.1470577	1436	3.1571544	1469	3.1670218
1404	3.1473671	1437	3.1574568	1470	3.1673173
1405	3.1476763	1438	3.1577589	1471	3.1677127
1406	3.1479853	1439	3.1580608	1472	3.1679078
1407	3.1482941	1440	3.1583625	1473	3.1682027
1408	3.1486027	1441	3.1586640	1474	3.1684975
1409	3.1489110	1442	3.1589653	1475	3.1687920
1410	3.1492191	1443	3.1592663	1476	3.1690864
1411	3.1495270	1444	3.1595672	1477	3.1693805
1412	3.1498347	1445	3.1598678	1478	3.1696744
1413	3.1501422	1446	3.1601683	1479	3.1699682
1414	3.1504494	1447	3.1604685	1480	3.1702617
1415	3.1507564	1448	3.1607686	1481	3.1705551
1416	3.1510233	1449	3.1610684	1482	3.1708482
1417	3.1515698	1450	3.1613680	1483	3.1711412
1418	3.1516762	1451	3.1616674	1484	3.1714339
1419	3.1519824	1452	3.1619666	1485	3.1717265
1420	3.1522883	1453	3.1622656	1486	3.1720188
1421	3.1525941	1454	3.1625644	1487	3.172311
1422	3.1528996	1455	3.1628630	1488	3.172602
1423	3.1532049	1456	3.1631614	1489	3.172894
1424	3.1535100	1457	3.1634596	1490	3.173186
1425	3.1538149	1458	3.1637575	1491	3.173477
1426	3.1541195	1459	3.1640553	1492	3.173768
1427	3.1544240	1460	3.1643529	1493	3.174059
1428	3.1547282	1461	3.1646502	1494	3.174350
1429	3.1550322	1462	3.1649474	1495	3.174641
1430	3.1553360	1463	3.1652443	1496	3.174931
1431	3.1556396	1464	3.1655411	1497	3.175221
1432	3.1559430	1465	3.1658376	1498	3.175511
1433	3.1562462	1466	3.1661340	1499	3.175801
1434	3.1565491	1467	3.1664301	1500	3.176091

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1501	3.1763807	1534	3.1858254	1567	3.1950690
1502	3.1766699	1535	3.1861084	1568	3.1953461
1503	3.1769590	1536	3.1863912	1569	3.1956229
1504	3.1772478	1537	3.1866739	1570	3.1958997
1505	3.1775365	1538	3.1869563	1571	3.1961762
1506	3.1778250	1539	3.1872386	1572	3.1964525
1507	3.1781133	1540	3.1875207	1573	3.1967287
1508	3.1784013	1541	3.1878026	1574	3.1970047
1509	3.1786892	1542	3.1880844	1575	3.1972806
1510	3.1789769	1543	3.1883659	1576	3.1975562
1511	3.1792645	1544	3.1886473	1577	3.1978317
1512	3.1795518	1545	3.1889285	1578	3.1981070
1513	3.1798389	1546	3.1892095	1579	3.1983821
1514	3.1801259	1547	3.1894903	1580	3.1986571
1515	3.1804126	1548	3.1897710	1581	3.1989319
1516	3.1806992	1549	3.1900514	1582	3.1992065
1517	3.1809856	1550	3.1903317	1583	3.1994809
1518	3.1812718	1551	3.1906118	1584	3.1997552
1519	3.1815578	1552	3.1908917	1585	3.2000293
1520	3.1818436	1553	3.1911715	1586	3.2003032
1521	3.1821292	1554	3.1914510	1587	3.2005769
1522	3.1824146	1555	3.1917304	1588	3.2008505
1523	3.1826999	1556	3.1920096	1589	3.2011239
1524	3.1829850	1557	3.1922886	1590	3.2013971
1525	3.1832698	1558	3.1925674	1591	3.2016702
1526	3.1835545	1559	3.1928461	1592	3.2019431
1527	3.1838390	1560	3.1931246	1593	3.2022158
1528	3.1841234	1561	3.1934029	1594	3.2024883
1529	3.1844075	1562	3.1936810	1595	3.2027607
1530	3.1846914	1563	3.1939590	1596	3.2030329
1531	3.1849752	1564	3.1942367	1597	3.2033049
1532	3.1852588	1565	3.1945143	1598	3.2035768
1533	3.1855422	1566	3.1947918	1599	3.2038485
1534	3.1858254	1567	3.1950690	1600	3.2041200

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1601	3.2043913	1634	3.2132521	1667	3.2219356
1602	3.2046625	1635	3.2135178	1668	3.2221960
1603	3.2049335	1636	3.2137833	1669	3.2224563
1604	3.2052044	1637	3.2140487	1670	3.2227165
1605	3.2054750	1638	3.2143139	1671	3.2229764
1606	3.2057455	1639	3.2145790	1672	3.2232363
1607	3.2060159	1640	3.2148438	1673	3.2234959
1608	3.2062860	1641	3.2151086	1674	3.2237555
1609	3.2065560	1642	3.2153732	1675	3.2240148
1610	3.2068256	1643	3.2156376	1676	3.2242740
1611	3.2070955	1644	3.2159018	1677	3.2245331
1612	3.2073650	1645	3.2161659	1678	3.2247920
1613	3.2076344	1646	3.2164298	1679	3.2250507
1614	3.2079035	1647	3.2166936	1680	3.2253093
1615	3.2081725	1648	3.2169572	1681	3.2255677
1616	3.2084414	1649	3.2172207	1682	3.2258260
1617	3.2087100	1650	3.2174839	1683	3.2260841
1618	3.2089785	1651	3.2177471	1684	3.2263421
1619	3.2092468	1652	3.2180100	1685	3.2265999
1620	3.2095150	1653	3.2182729	1686	3.2268576
1621	3.2097830	1654	3.2185355	1687	3.2271151
1622	3.2100508	1655	3.2187980	1688	3.2273724
1623	3.2103185	1656	3.2190603	1689	3.2276296
1624	3.2105860	1657	3.2193225	1690	3.2278867
1625	3.2108534	1658	3.2195845	1691	3.2281436
1626	3.2111205	1659	3.2198464	1692	3.2284004
1627	3.2113876	1660	3.2201081	1693	3.2286570
1628	3.2116544	1661	8.2203696	1694	3.2289134
1629	3.2119211	1662	3.2206310	1695	3.2291697
1630	3.2121876	1663	3.2208922	1696	3.2294258
1631	3.2124540	1664	3.2211533	1697	3.2296818
1632	3.2127201	1665	3.2214142	1698	3.2299377
1633	3.2129862	1666	3.2216750	1699	3.2301934
1634	3.2132521	1667	3.2219356	1700	3.2304489

N.	Logarith.	N	Logarith.	N.	Logarith.
1701	3.2307043	1734	3.2390491	1767	3.2472365
1702	3.2309596	1735	3.2392995	1768	3.2474823
1703	3.2312146	1736	3.2395497	1769	3.2477278
1704	3.2314696	1737	3.2397998	1770	3.2479733
1705	3.2317244	1738	3.2400498	1771	3.2482186
1706	3.2319790	1739	3.2402996	1772	3.2484637
1707	3.2322335	1740	3.2405492	1773	3.2487087
1708	3.2324879	1741	3.2407988	1774	3.2489536
1709	3.2327421	1742	3.2410481	1775	3.2491984
1710	3.2329961	1743	3.2412974	1776	3.2494430
1711	3.2332500	1744	3.2415465	1777	3.2496874
1712	3.2335038	1745	3.2417954	1778	3.2499318
1713	3.2337574	1746	3.2420442	1779	3.2501759
1714	3.2340108	1747	3.2422929	1780	3.2504200
1715	3.2342641	1748	3.2425414	1781	3.2506639
1716	3.2345173	1749	3.2427898	1782	3.2509077
1717	3.2347703	1750	3.2430380	1783	3.2511513
1718	3.2350232	1751	3.2432861	1784	3.2513949
1719	3.2352759	1752	3.2435341	1785	3.2516382
1720	3.2355284	1753	3.2437819	1786	3.2518815
1721	3.2357809	1754	3.2440296	1787	3.2521246
1722	3.2360331	1755	3.2442771	1788	3.2523675
1723	3.2362853	1756	3.2445245	1789	3.2526103
1724	3.2365373	1757	3.2447718	1790	3.2528530
1725	3.2367891	1758	3.2450189	1791	3.2530956
1726	3.2370408	1759	3.2452658	1792	3.2533380
1727	3.2372923	1760	3.2455127	1793	3.2535803
1728	3.2375437	1761	3.2457594	1794	3.2538224
1729	3.2377950	1762	3.2460059	1795	3.2540645
1730	3.2380461	1763	3.2462523	1796	3.2543063
1731	3.2382971	1764	3.2464986	1797	3.2545481
1732	3.2385479	1765	3.2467447	1798	3.2547897
1733	3.2387986	1766	3.2469907	1799	3.2550312
1734	3.2390491	1767	3.2472365	1800	3.2552725

N.	Logarith.	N.	Logarith.	N.	Logarith.
1801	3.2555137	1834	3.2633993	1867	3.2711443
1802	3.2557548	1835	3.2636361	1868	3.2713769
1803	3.2559957	1836	3.2638727	1869	3.2716093
1804	3.2562365	1837	3.2641092	1870	3.2718416
1805	3.2564772	1838	3.2643455	1871	3.2720738
1806	3.2567177	1839	3.2645817	1872	3.2723058
1807	3.2569582	1840	3.2648178	1873	3.2725378
1808	3.2571984	1841	3.2650538	1874	3.2727696
1809	3.2574386	1842	3.2652896	1875	3.2730013
1810	3.2576786	1843	3.2655253	1876	3.2732328
1811	3.2579184	1844	3.2657609	1877	3.2734643
1812	3.2581582	1845	3.2659964	1878	3.2736956
1813	3.2583978	1846	3.2662317	1879	3.2739268
1814	3.2586373	1847	3.2664669	1880	3.2741578
1815	3.2588766	1848	3.2667020	1881	3.2743888
1816	3.2591158	1849	3.2669369	1882	3.2746196
1817	3.2593549	1850	3.2671717	1883	3.2748503
1818	3.2595939	1851	3.2674064	1884	3.2750809
1819	3.2598327	1852	3.2676410	1885	3.2753113
1820	3.2600714	1853	3.2678754	1886	3.2755417
1821	3.2603099	1854	3.2681097	1887	3.2757719
1822	3.2605484	1855	3.2683439	1888	3.2760020
1823	3.2607867	1856	3.2685780	1889	3.2762320
1824	3.2610248	1857	3.2688119	1890	3.2764618
1825	3.2612629	1858	3.2690457	1891	3.2766915
1826	3.2615008	1859	3.2692794	1892	3.2769211
1827	3.2617385	1860	3.2695129	1893	3.2771506
1828	3.2619762	1861	3.2697464	1894	3.2773800
1829	3.2622137	1862	3.2699797	1895	3.2776092
1830	3.2624511	1863	3.2702128	1896	3.2778383
1831	3.2626883	1864	3.2704459	1897	3.2780673
1832	3.2629255	1865	3.2706788	1898	3.2782962
1833	3.2631625	1866	3.2709116	1899	3.2785250
1834	3.2633993	1867	3.2711443	1900	3.2787536

N.	Logarith.	N.	Logarith.	N.	Logarith.
1901	3.2789821	1934	3.2864565	1967	3.2938044
1902	3.2792105	1935	3.2866810	1968	3.2940251
1903	3.2794388	1936	3.2869054	1969	3.2942457
1904	3.2796669	1937	3.2871296	1970	3.2944662
1905	3.2798950	1938	3.2873538	1971	3 2946866
1906	3.2801229	1939	3.2875778	1972	3.2949069
1907	3.2803507	1940	3.2878017	1973	3.2951271
1908	3.2805784	1941	3.2880255	1974	3.2953471
1909	3.2808059	1942	3.2882492	1975	3.2955671
1910	3.2810334	1943	3.2884728	1976	3.2957869
1911	3.2812607	1944	3.2886963	1977	3.2960067
1912	3.2814879	1945	3 2889196	1978	3.2962263
1913	3.2817150	1946	3.2891428	1979	3.2964458
1914	3.2819419	1947	3.2893659	1980	3.2966652
1915	3.2821688	1948	3.2895889	1981	3.2968845
1916	3.2823955	1949	3.2898118	1982	3.2971036
1917	3.2826221	1950	3.2900346	1983	3.2973227
1918	3.2828486	1951	3.2902573	1984	3.2975417
1919	3.2830750	1952	3.2904798	1985	3.2977605
1920	3.2833012	1953	3.2907022	1986	3.2979792
1921	3.2835274	1954	3.2909246	1987	3.2981979
1922	3.2837534	1955	3.2911468	1988	3.2984164
1923	3.2839793	1956	3.2913688	1989	3.2986348
1924	3.2842051	1957	3.2915908	1990	3.2988531
1925	3.2844307	1958	3.2918127	1991	3.2990713
1926	3.2846563	1959	3.2920344	1992	3.2992893
1927	3.2848817	1960	3.2922561	1993	3.2995073
1928	3.2851070	1961	3.2924776	1994	3.2997251
1929	3.2853322	1962	3.2926990	1995	3.2999429
1930	3.2855573	1963	3 2929203	1996	3.3001605
1931	3.2857823	1964	3.2931415	1997	3.3003781
1932	3.2860071	1965	3.2933626	1998	3.3005955
1933	3.2862318	1966	3.2935835	1999	3.3008128
1934	3.2864565	1967	3.2938044	2000	3.3010300

N.	Logarith.	N.	Logarith.	N.	Logarith.
2001	3.3012471	2034	3.3083509	2067	3.3153405
2002	3.3014641	2035	3.3085644	2068	3.3155505
2003	3.3016809	2036	3.3087778	2069	3.3157605
2004	3.3018977	2037	3.3089910	2070	3.3159703
2005	3.3021144	2038	3.3092042	2071	3.3161801
2006	3.3023309	2039	3.3094172	2072	3.3163897
2007	3.3025474	2040	3.3096302	2073	3.3165993
2008	3.3027637	2041	3.3098430	2074	3.3168087
2009	3.3029799	2042	3.3100557	2075	3.3170181
2010	3.3031961	2043	3.3102684	2076	3.3172273
2011	3.3034121	2044	3.3104809	2077	3.3174365
2012	3.3036280	2045	3.3106933	2078	3.3176455
2013	3.3038438	2046	3.3109056	2079	3.3178545
2014	3.3040595	2047	3.3111178	2080	3.3180633
2015	3.3042751	2048	3.3113299	2081	3.3182721
2016	3.3044905	2049	3.3115420	2082	3.3184807
2017	3.3047059	2050	3.3117539	2083	3.3186893
2018	3.3049212	2051	3.3119657	2084	3.3188977
2019	3.3051363	2052	3.3121774	2085	3.3191061
2020	3.3053514	2053	3.3123889	2086	3.3193143
2021	3.3055663	2054	3.3126004	2087	3.3195224
2022	3.3056812	2055	3.3128118	2088	3.3197305
2023	3.3059959	2056	3.3130231	2089	3.3199384
2024	3.3062105	2057	3.3132343	2090	3.3201463
2025	3.3064250	2058	3.3134454	2091	3.3203540
2026	3.3066394	2059	3.3136563	2092	3.3205617
2027	3.3068537	2060	3.3138672	2093	3.3207692
2028	3.3070679	2061	3.3140780	2094	3.3209767
2029	3.3072820	2062	3.3142887	2095	3.3211840
2030	3.3074960	2063	3.3144992	2096	3.3213913
2031	3.3077099	2064	3.3147097	2097	3.3215984
2032	3.3079237	2065	3.3149200	2098	3.3218055
2033	3.3081374	2066	3.3151303	2099	3.3220124
2034	3.3083509	2067	3.3153405	2100	3.3222193

N.	Logarith.	N.	Logarith.	N.	Logarith.
2101	3.3224260	2134	3.3291944	2167	3.3358589
2102	3.3226327	2135	3.3293979	2178	3.3360593
2103	3.3228393	2136	3.3296012	2169	3.3362596
2104	3.3230457	2137	3.3298045	2170	3.3364597
2105	3.3232521	2138	3.3300077	2171	3.3366598
2106	3.3234584	2139	3.3302108	2172	3.3368598
2107	3.3236645	2140	3.3304138	2173	3.3370597
2108	3.3238706	2141	3.3306167	2174	3.3372595
2109	3.3240766	2142	3.3308195	2175	3.3374593
2110	3.3242825	2143	3.3310222	2176	3.3376589
2111	3.3244882	2144	3.3312248	2177	3.3378584
2112	3.3246939	2145	3.3314273	2178	3.3380579
2113	3.3248995	2146	3.3316297	2179	3.3382572
2114	3.3251050	2147	3.3318320	2180	3.3384565
2115	3.3253104	2148	3.3320343	2181	3.3386557
2116	3.3255157	2149	3.3322364	2182	3.3388547
2117	3.3257209	2150	3.3324385	2183	3.3390537
2118	3.3259260	2151	3.3326404	2184	3.3392526
2119	3.3261310	2152	3.3328423	2185	3.3394514
2120	3.3263359	2153	3.3330440	2186	3.3396502
2121	3.3265407	2154	3.3332457	2187	3.3398488
2122	3.3267454	2155	3.3334473	2188	3.3400473
2123	3.3269500	2156	3.3336488	2189	3.3402458
2124	3.3271545	2157	3.3338501	2190	3.3404441
2125	3.3273589	2158	3.3340514	2191	3.3406424
2126	3.3275633	2159	3.3342526	2192	3.3408405
2127	3.3277675	2160	3.3344537	2193	3.3410386
2128	3.3279716	2161	3.3346548	2194	3.3412366
2129	3.3281757	2162	3.3348557	2195	3.3414345
2130	3.3283796	2163	3.3350565	2196	3.3416323
2131	3.3285834	2164	3.3352572	2197	3.3418301
2132	3.3287872	2165	3.3354579	2198	3.3420277
2133	3.3289909	2166	3.3356585	2199	3.3422252
2134	3.3291944	2167	3.3358589	2200	3.3424227

N.	Logarith.	N.	Logarith.	N.	Logarith.
2201	3.3426200	2234	3.3490832	2267	3.3554515
2202	3.3428173	2235	3.3492775	2268	3.3556430
2203	3.3430145	2236	3.3494718	2269	3.3558345
2204	3.3432116	2237	3.3496660	2270	3.3560259
2205	3.3434086	2238	3.3498601	2271	3.3562171
2206	3.3436055	2239	3.3500541	2272	3.3564083
2207	3.3438023	2240	3.3502480	2273	3.3565994
2208	3.3439991	2241	3.3504419	2274	3.3567905
2209	3.3441957	2242	3.3506356	2275	3.3569814
2210	3.3443923	2243	3.3508293	2276	3.3571723
2211	3.3445887	2244	3.3510228	2277	3.3573630
2212	3.3447851	2245	3.3512163	2278	3.3575537
2213	3.3449814	2246	3.3514098	2279	3.3577443
2214	3.3451776	2247	3.3516031	2280	3.3579348
2215	3.3453737	2248	3.3517863	2281	3.3581253
2216	3.3455698	2249	3.3519895	2282	3.3583156
2217	3.3457657	2250	3.3521825	2283	3.3585059
2218	3.3459615	2251	3.3523755	2284	3.3586961
2219	3.3461573	2252	3.3525684	2285	3.3588862
2220	3.3463530	2253	3.3527612	2286	3.3590762
2221	3.3465486	2254	3.3529539	2287	3.3592662
2222	3.3467441	2255	3.3531465	2288	3.3594560
2223	3.3469395	2256	3.3533391	2289	3.3596458
2224	3.3471348	2257	3.3535316	2290	3.3598355
2225	3.3473300	2258	3.3537239	2291	3.3600251
2226	3.3475252	2259	3.3539162	2292	3.3602146
2227	3.3477202	2260	3.3541084	2293	3.3604041
2228	3.3479152	2261	3.3543006	2294	3.3605934
2229	3.3481101	2262	3.3544926	2295	3.3607827
2230	3.3483049	2263	3.3546846	2296	3.3609719
2231	3.3484996	2264	3.3548764	2297	3.3611610
2232	3.3486942	2265	3.3550682	2298	3.3613500
2233	3.3488887	2266	3.3552599	2299	3.3615390
2234	3.3490832	2267	3.3554515	2300	3.3617278

N.	Logarith.	N.	Logarith.	N.	Logarith.
2301	3.3619166	2334	3.3681008	2367	3.3741983
2302	3.3621953	2335	3.3682869	2368	3.3743817
2303	3.3622939	2336	3.3684728	2369	3.3745651
2304	3.3624825	2337	3.3686587	2370	3.3747483
2305	3.3626709	2338	3.3688445	2371	3.3749316
2306	3.3628593	2339	3.3690302	2372	3.3751147
2307	3.3630476	2340	3.3692159	2373	3.3752977
2308	3.3632358	2341	3.3694014	2374	3.3754807
2309	3.3634239	2342	3.3695869	2375	3.3756636
2310	3.3636120	2343	3.3697723	2376	3.3758474
2311	3.3637999	2344	3.3699576	2377	3.3760292
2312	3.3639878	2345	3.3701428	2378	3.3762118
2313	3.3641756	2346	3.3703280	2379	3.3763944
2314	3.3643633	2347	3.3705131	2380	3.3765769
2315	3.3645510	2348	3.3706981	2381	3.3767594
2316	3.3647386	2349	3.3708830	2382	3.3769418
2317	3.3649260	2350	3.3710679	2383	3.3771240
2318	3.3651134	2351	3.3712526	2384	3.3773062
2319	3.3653007	2352	3.3714373	2385	3.3774884
2320	3.3654880	2353	3.3716219	2386	3.3776704
2321	3.3656751	2354	3.3718065	2387	3.3778524
2322	3.3658622	2355	3.3719909	2388	3.3780343
2323	3.3660492	2356	3.3721753	2389	3.3782161
2324	3.3662361	2357	3.3723596	2390	3.3783979
2325	3.3664230	2358	3.3725438	2391	3.3785796
2326	3.3666097	2359	3.3727279	2392	3.3787612
2327	3.3667964	2360	3.3729120	2393	3.3789427
2328	3.3669830	2361	3.3730960	2394	3.3791241
2329	3.3671695	2362	3.3732799	2395	3.3793055
2330	3.3673559	2363	3.3734637	2396	3.3794868
2331	3.3675423	2364	3.3736475	2397	3.3796680
2332	3.3677285	2365	3.3738311	2398	3.3798492
2333	3.3679147	2366	3.3740147	2399	3.3800302
2334	3.3681008	2367	3.3741983	2400	3.3802112

N.	Logarith.	N.	Logarith.	N.	Logarith.
2401	3.3803922	2434	3.3863206	2467	3.3921691
2402	3.3805730	2435	3.3864990	2468	3.3923452
2403	3.3807538	2436	3.3866773	2469	3.3925211
2404	3.3809345	2437	3.3868555	2470	3.3926969
2405	3.3811151	2438	3.3870337	2471	3.3928727
2406	3.3812956	2439	3.3872118	2472	3.3930485
2407	3.3814761	2440	3.3873898	2473	3.3932241
2408	3.3816565	2441	3.3875678	2474	3.3933997
2409	3.3818368	2442	3.3877457	2475	3.3935752
2410	3.3820170	2443	3.3879235	2476	3.3937506
2411	3.3821972	2444	3.3881012	2477	3.3939260
2412	3.3823773	2445	3.3882789	2478	3.3941013
2413	3.3825573	2446	3.3884565	2479	3.3942765
2414	3.3827373	2447	3.3886340	2480	3.3944517
2415	3.3829171	2448	3.3888114	2481	3.3946268
2416	3.3830969	2449	3.3889888	2482	3.3948018
2417	3.3832766	2450	3.3891661	2483	3.3949767
2418	3.3834563	2451	3.3893433	2484	3.3951516
2419	3.3836359	2452	3.3895205	2485	3.3953264
2420	3.3838154	2453	3.3896975	2486	3.3955011
2421	3.3839948	2454	3.3898746	2487	3.3956758
2422	3.3841741	2455	3.3900515	2488	3.3958504
2423	3.3843534	2456	3.3902284	2489	3.3960249
2424	3.3845326	2457	3.3904052	2490	3.3961993
2425	3.3847117	2458	3.3905819	2491	3.3963737
2426	3.3848908	2459	3.3907585	2492	3.3965480
2427	3.3850698	2460	3.3909351	2493	3.3967223
2428	3.3852487	2461	3.3911116	2494	3.3968964
2429	3.3854275	2462	3.3912880	2495	3.3970706
2430	3.3856063	2463	3.3914644	2496	3.3972445
2431	3.3857850	2464	3.3916407	2497	3.3974185
2432	3.3859636	2465	3.3918169	2498	3.3975924
2433	3.3861421	2466	3.3919931	2499	3.3977662
2434	3.3863206	2467	3.3921691	2500	3.3979400

N.	Logarith.	N.	Logarith.	N.	Logarith.
2501	3.3981137	2534	3.4038066	2567	3.4094259
2502	3.3982873	2535	3.4039780	2568	3.4095950
2503	3.3984608	2536	3.4041492	2569	3.4097641
2504	3.3986343	2537	3.4043205	2570	3.4099331
2505	3.3988077	2538	3.4044916	2571	3.4101021
2506	3.3989811	2539	3.4046627	2572	3.4102710
2507	3.3991543	2540	3.4048337	2573	3.4104398
2508	3.3993275	2541	3.4050047	2574	3.4106085
2509	3.3995007	2542	3.4051755	2575	3.4107772
2510	3.3996737	2543	3.4053464	2576	3.3109459
2511	3.3998467	2544	3.4055171	2577	3.4111144
2512	3.4000196	2545	3.4056878	2578	3.4112829
2513	3.4001925	2546	3.4058584	2579	3.4114513
2514	3.4003653	2547	3.4060289	2580	3.4116197
2515	3.4005380	2548	3.4061994	2581	3.4117880
2516	3.4007106	2549	3.4063698	2582	3.4119562
1517	3.4008832	2550	3.4065402	2583	3.4121244
2518	3.4010557	2551	3.4067105	2584	3.4122925
2519	3.4012282	2552	3.4068807	2585	3.4124605
2520	3.4014005	2553	3.4070508	2586	3.4126285
2521	3.4015728	2554	3.4072209	2587	3.4127964
2522	3.4017451	2555	3.4073909	2588	3.4129643
2523	3.4019173	2556	3.4075608	2589	3.4131320
2524	3.4020893	2557	3.4077307	2590	3.4132998
2525	3.4022614	2558	3.4079005	2591	3.4134674
2526	3.4024333	2559	3.4080703	2592	3.4136350
2527	3.4026052	2560	3.4082400	9593	3.4138025
2528	3.4027771	2561	3.4084096	2594	3.4139700
2529	3.4029488	2562	3.4085791	2595	3.4141374
2530	3.4031205	2563	3.4087486	2596	3.4142047
2531	3.4032921	2564	3.4089180	2597	3.4144719
2532	3.4034637	2565	3.4090874	2598	3.4146391
2533	3.4036352	2566	3.4092567	2599	3.4148063
2534	3.4038066	2567	3.4094259	2600	3.4149733

N.	Logarith.	N.	Logarith.	N.	Logarith.
2601	3.4151404	2634	3.4206158	2667	3.4260230
2602	3.4153073	2635	3.4207806	2668	3.4261858
2603	3.4154742	2636	3.4209454	2669	3.4263486
2604	3.4156410	2637	3.4211101	2670	3.4265113
2605	3.4158077	2638	3.4212748	2671	3.4266739
2606	3.4159744	2639	3.4214394	2672	3.4268365
2607	3.4161410	2640	3.4216039	2673	3.4269990
2608	3.4163076	2641	3.4217684	2674	3.4271614
2609	3.4164741	2642	3.4219328	2675	3.4273238
2610	3.4166405	2643	3.4220972	2676	3.4274861
2611	3.4168069	2644	3.4222614	2677	3.4276484
2612	3.4169732	2645	3.4224257	2678	3.4278106
2613	3.4171394	2646	3.4225898	2679	3.4279727
2614	3.4173056	2647	3.4227539	2680	3.4281348
2615	3.4174717	2648	3.4229180	2681	3.4282968
2616	3.4176377	2649	3.4230820	2682	3.4284588
2617	3.4178037	2650	3.4232459	2683	3.4286207
2618	3.4179696	2651	3.4234097	2684	3.4287825
2619	3.4181355	2652	3.4235735	2685	3.4289443
2620	3.4183013	2653	3.4237372	2686	3.4291060
2621	3.4184670	2654	3.4239009	2687	3.4292677
2622	3.4186327	2655	3.4240645	2688	3.4294293
2623	3.4187983	2656	3.4242281	2689	3.4295908
2624	3.4189638	2657	3.4243916	2690	3.4297523
2625	3.4191293	2658	3.4245550	2691	3.4299137
2626	3.4192947	2659	3.4247183	2692	3.4300751
2627	3.4194601	2660	3.4248816	2693	3.4302364
2628	3.4196254	2661	3.4250449	2694	3.4303976
2629	3.4197906	2662	3.4252080	2695	3.4305588
2630	3.4199557	2663	3.4253712	2696	3.4307199
2631	3.4201208	2664	3.4255342	2697	3.4308809
2632	3.4202859	2665	3.4256972	2698	3.4310419
2633	3.4204509	2666	3.4258601	2699	3.4312029
2634	3.4206158	2667	3.4260230	2700	3.4313638

N.	Logarith.	N.	Logarith.	N.	Logarith.
2701	3.4315246	2734	3.4367985	2767	3.4420092
2702	3.4316853	2735	3.4369573	2768	3.4421661
2703	3.4318460	2736	3.4371161	2769	3.4423229
2704	3.4320067	3737	3.4372748	2770	3.4424798
2705	3.4321673	2738	3.4374334	2771	3.4426365
2706	3.4323278	2739	3.4375920	2772	3.4427932
2707	3.4324882	2740	3.4377506	2773	3.4429499
2708	3.4326487	2741	3.4379090	2774	3.4431065
2709	3.4328090	2742	3.4380674	2775	3.4432630
2710	3.4329693	2743	3.4382258	2776	3.4434195
2711	3.4331295	2744	3.4383841	2777	3.4435759
2712	3.4332897	2745	3.4385423	2778	3.4437322
2713	3.4334498	2746	3.4387005	2779	3.4438885
2714	3.4336098	2747	3.4388587	2780	3.4440448
2715	3.4337698	2748	3.4390167	2781	3.4442010
2716	3.4339298	2749	3.4391747	2782	3.4443571
2717	3.4340896	2750	3.4393327	2783	3.4445132
2718	3.4342494	2751	3.4394906	2784	3.4446692
2719	3.4344092	2752	3.4396484	2785	3.4448252
2720	3.4345689	2753	3.4398062	2786	3.4449811
2721	3.4347285	2754	3.4399639	2787	3.4451370
2722	3.4348881	2755	3.4401216	2788	3.4452928
2723	3.4350476	2756	3.4402792	2789	3.4454485
2724	3.4352071	2757	3.4404368	2790	3.4456042
2725	3.4353665	2758	3.4405943	2791	3.4457598
2726	3.4355258	2759	3.4407517	2792	3.4459154
2727	3.4356851	2760	3.4409091	2793	3.4460709
2728	3.4358444	2761	3.4410664	2794	3.4462264
2729	3.4360035	2762	3.4412237	2795	3.4463818
2730	3.4361626	2763	3.4413809	2796	3.4465372
2731	3.4363217	2764	3.4415380	2797	3.4466925
2732	3.4364807	2765	3.4416951	2798	3.4468477
2733	3.4366396	2766	3.4418522	2799	3.4470029
2734	3.4367985	2767	3.4420092	2800	3.4471580

N.	Logarith.	N.	Logarith.	N.	Logarith.
2801	3.4473131	2834	3.4523998	2867	3.4574277
2802	3.4474681	2835	3.4525531	2868	3.4575791
2803	3.4476231	2836	3.4527062	2869	3.4577305
2804	3.4477780	2837	3.4528593	2870	3.4578819
2805	3.4479329	2838	3.4530124	2871	3.4580332
2806	3.4480877	2839	3.4531654	2872	3.4581844
2807	3.4481424	2840	3.4533183	2873	3.4583356
2808	3.4483971	2841	3.4534712	2874	3.4584867
2809	3.4485517	2842	3.4536241	2875	3.4586378
2810	3.4487063	2843	3.4537769	2876	3.4587889
2811	3.4488608	2844	3.4539296	2877	3.4589399
2812	3.4490153	2845	3.4540823	2878	3.4590908
2813	3.4491697	2846	3.4542349	2879	3.4592417
2814	3.4493241	2847	3.4543875	2880	3.4593925
2815	3.4494784	2848	3.4545400	2881	3.4595433
2816	3.4496326	2849	3.4546924	2882	3.4596940
2817	3.4497868	2850	3.4548449	2883	3.4598446
2818	3.4499410	2851	3.4549972	2884	3.4599953
2819	3.4500951	2852	3.4551495	2885	3.4601458
2820	3.4502491	2853	3.4553018	2886	3.4602963
2821	3.4504031	2854	3.4554540	2887	3.4604468
2822	3.4505570	2855	3.4556061	2888	3.4605972
2823	3.4507109	2856	3.4557582	2889	3.4607475
2824	3.4508647	2857	3.4559102	2890	3.4608978
2825	3.4510184	2858	3.4560622	2891	3.4610481
2826	3.4511721	2859	3.4562142	2892	3.4611983
2827	3.4513258	2860	3.4563660	2893	3.4613484
2828	3.4514794	2861	3.4565179	2894	3.4614985
2829	3.4516329	2862	3.4566696	2895	3.4616468
2830	3.4517864	2863	3.4568213	2896	3.4618986
2831	3.4519399	2864	3.4569730	2897	3.4619485
2832	3.4520932	2865	3.4571246	2898	3.4620984
2833	3.4522466	2866	3.4572762	2899	3.4622482
2834	3.4523998	2867	3.4574277	2900	7.4623980

N.	Logarith.	N.	Logarith.	N.	Logarith.
2901	3.4625477	2934	3.4674601	2967	3.4723175
2902	3.4626974	2935	3.4676081	2968	3.4724649
2903	3.4628470	2936	3.4677560	2969	3.4726102
2904	3.4629966	2937	3.4679039	2970	3.4727564
2905	3.4631461	2938	3.4680518	2971	3.4729027
2906	3.4632956	2939	3.4681996	2972	3.4730488
2907	3.4634450	2940	3.4683473	2973	3.4731949
2908	3.4635944	2941	3.4684950	2974	3.4733410
2909	3.4637437	2942	3.4686427	2975	3.4734870
2910	3.4638930	2943	3.4687903	2976	3.4736329
2911	3.4640422	2944	3.4689378	2977	3.4737788
2912	3.4641914	2945	3.4690853	2978	3.4739247
2913	3.4643405	2946	3.4692327	2979	3.4740705
2914	3.4644895	2947	3.4693801	2980	3.4742163
2915	3.4646386	2948	3.4695275	2981	3.4743620
2916	3.4647875	2949	3.4696748	2982	3.4745076
2917	3 4649364	2950	3.4698220	2983	3.4746533
2918	3.4650853	2951	3.4699692	2984	3.4747988
2919	3.4652341	2952	3.4701164	2985	3.4749445
2920	3.4653828	2953	3.4702634	2986	3.4750898
2921	3.4655316	2954	3.4704105	2987	3,4752352
2922	3.4656802	2955	3.4705575	2988	3,4753806
2923	3.4658288	2956	3.4707044	2989	3,4755259
2924	3.4659774	2957	3.4708513	2990	3,4756712
2925	3.4661259	2958	3.4709982	2991	3,4758164
2926	3.4662743	2959	3.4711450	2992	3,4759616
2927	3.4664227	2960	3.4712917	2993	3,4761067
2928	3.4665711	2961	3.4714384	2994	3,4762518
2929	3.4667194	2962	3.4715851	2995	3,4763968
2930	3.4668676	2963	3.4717317	2996	3,4765418
2931	3.4670158	2964	3.4718782	2997	3,4766867
2932	3.4671640	2965	3.4720247	2998	3,4768316
2933	3.4673121	2966	3.4721711	2999	3,4769765
2934	3.4674601	2967	3.4723175	3000	3,4771213

N.	Logarith.	N.	Logarith.	N.	Logarith.
3001	3.4772660	3034	3.4820156	3067	3.4867138
3002	3.4774107	3035	3.4821587	3068	3.4868554
3003	3.4775553	3036	3.4823018	3069	3.4869969
3004	3.4776999	3037	3.4824448	3070	3.4871384
3005	3.4778445	3038	3.4825878	3071	3.4872798
3006	3.4779890	3039	3.4827307	3072	3.4874212
3007	3.4781334	3040	3.4828736	3073	3.4875626
3008	3.4782778	3041	3.4830164	3074	3.4877039
3009	3.4784222	3042	3.4831592	3075	3.4878451
3010	3.4785665	3043	3.4833019	3076	3.4879863
3011	3.4787108	3044	3.4834446	3077	3.4881275
3012	3.4788550	3045	3.4835873	3078	3.4882686
3013	3.4789991	3046	3.4837299	3079	3.4884097
3014	3.4791432	3047	3.4838725	3080	3.4885507
3015	3.4792873	3048	3.4840150	3081	3.4886917
3016	3.4794313	3049	3.4841574	3082	3.4888326
3017	3.4795753	3050	3.4842998	3083	3.4889735
3018	3.4797192	3051	3.4844422	3084	3.4891144
3019	3.4798631	3052	3.4845845	3085	3.4892552
3020	3.4800069	3053	3.4847268	3086	3.4893959
3021	3.4801507	3054	3.4848690	3087	3.4895366
3022	3.4802945	3055	3.4850112	3088	3.4896773
3023	3.4804381	3056	3.4851533	3089	3.4888179
3024	3.4805818	3057	3.4852954	3090	3.4899585
3025	3.4807254	3058	3.4854375	3091	3.4900990
3026	3.4808689	3059	3.4855795	3092	3.4902395
3027	3.4810124	3060	3.4857214	3093	3.4903799
3028	3.4811559	3061	3.4858633	3094	3.4905203
3029	3.4812993	3062	3.4860052	3095	3.4906607
3030	3.4814426	3063	3.4861470	3096	3.4908009
3031	3.4815859	3064	3.4862888	3097	3.4909412
3032	3.4817292	3065	3.4864305	3098	3.4910814
3033	3.4818724	3066	3.4865721	3099	3.4912216
3034	3.4820156	3067	3.4867138	3100	3.4913617

N.	Logarith.	N.	Logarith.	N.	Logarith.
3101	3.4915018	3134	3.4960990	3167	3.5006481
3102	3.4916418	3135	3.4962375	3168	3.5007851
3103	3.4917818	3136	3.4963761	3169	3.5009222
3104	3.4919217	3137	3.4965145	3170	3.5010593
3105	3.4920616	3138	3.4966529	3171	3.5011962
3106	3.4922014	3139	3.4967913	3172	3.5013332
3107	3.4923413	3140	3.4969296	3173	3.5014701
3108	3.4924818	3141	3.4970679	3174	3.5016069
3109	3.4926207	3142	3.4972062	3175	3.5017437
3110	3.4927604	3143	3.4973444	3176	3.5018805
3111	3.4929000	3144	3.4974825	3177	3.502017
3112	3.4930396	3145	3.4976206	3178	3.502153
3113	3.4931791	3146	3.4977587	3179	3.502290
3114	3.4933186	3147	3.4978967	3180	3.502427
3115	3.4934580	3148	3.4980347	3181	3.502563
3116	3.4935974	3149	3.4981727	3182	3.502700
3117	3.4937368	3150	3.4983106	3183	3.502836
3118	3.4938761	3151	3.4984484	3184	3.502973
3119	3.4940154	3152	3.4985862	3185	3.503109
3120	3.4946546	3153	3.4987240	3186	3.503245
3121	3.4942938	3154	3.4988617	3187	3.503382
3122	3.4944329	3155	3.4989994	3188	3.503518
3123	3.4945720	3156	3.4991370	3189	3.503654
3124	3.4947110	3157	3.4992746	3190	3.503790
3125	3.4948500	3158	3.4994121	3191	3.503926
3126	3.4949890	3159	3.4995496	3192	3.504062
3127	3.4951279	3160	3.4996871	3193	3.504198
3128	3.4952667	3161	3.4998245	3194	3.504334
3129	3.4954056	3162	3.4999619	3195	3.504470
3130	3.4955443	3163	3.5000992	3196	3.504606
3131	3.4956831	3164	3.5002365	3197	3.504742
3132	3.4958218	3165	3.5003737	3198	3.504878
3133	3.4959604	3166	3.5005109	3199	3.505014
3134	3.4960990	3167	3.5006481	3200	3.505150

N.	Logarith.	N.	Logarith.	N.	Logarith.
3201	3.5052857	3234	3.5097400	3267	3.5141491
3202	3.5054213	3235	3.5098743	3268	3.5142820
3203	3.5055569	3236	3.5100085	3269	3.5144149
3204	3.5056925	3237	3.5101427	3270	3.5145478
3205	3.5058280	3238	3.5102768	3271	3.5146805
3206	3.5059635	3239	3.5104109	3272	3.5148133
3207	3.5060990	3240	3.5105450	3273	3.5149460
3208	3.5062344	3241	3.5106790	3274	3.5150787
3209	3.5063697	3242	3.5108130	3275	3.5152113
3210	3.5065050	3243	3.5109469	3276	3.5153439
3211	3.5066403	3244	3.5110808	3277	3.5154764
3212	3.5067755	3245	3.5112147	3278	3.5156089
3213	3.5069107	3246	3.5113485	3279	3.5157414
3214	3.5070459	3247	3.5114823	3280	3.5158738
3215	3.5071810	3248	3.5116160	3281	3.5160062
3216	3.5073160	3249	3.5117497	3282	3.5161386
3217	3.5074511	3250	3.5118834	3283	3.5162709
3218	3.5075860	3251	3.5120170	3284	3.5164031
3219	3.5077210	3252	3.5122505	3285	3.5165354
3220	3.5078559	3253	3.5122841	3286	3.516667
3221	3.5079907	3254	3.5124175	3287	3.5167997
3222	3.5081255	3255	3.5125510	3288	3.516931
3223	3.5082603	3256	3.5126844	3289	3.5170639
3224	3.5083950	3257	3.5128178	3290	3.5171959
3225	3.5085297	3258	3.5129511	3291	3.5173279
3226	3.5086644	3259	3.5130844	3292	3.517459
3227	3.5087990	3260	3.5132176	3293	3.517591
3228	3.5089335	3261	3.5133508	3294	3.517723
3229	3.5090680	3262	3.5134840	3295	3.517855
3230	3.5092025	3263	3.5136171	3296	3.517987
3231	3.5093370	3264	3.5137501	3297	3.518118
3232	3.5094713	3265	3.5138832	3298	3.518250
3233	3.5096057	3266	3.5140162	3299	3.518382
3234	3.5097400	3267	3.5141491	3300	3.518513

N.	Logarith.	N.	Logarith.	N.	Logarith.
3301	3.5186455	3334	3.5229656	3367	3.5272431
3302	3.5187771	3335	3.5230958	3368	3.5273721
3303	3.5189086	3336	3.5232260	3369	3.5275010
3304	3.5190400	3337	3.5233562	3370	3.5276299
3305	3.5191715	3338	3.5234863	3371	3.5277588
3306	3.5193028	3339	3.5236164	3372	3.5278876
3307	3.5194342	3340	3.5237465	3373	3.5280163
3308	3.5195655	3341	3.5238765	3374	3.5281451
3309	3.5196968	3342	3.5240064	3375	3.5282738
3310	3.5198280	3343	3.5241364	3376	3.5284024
3311	3.5199592	3344	3.5242663	3377	3.5285311
3312	3.5200903	3345	3.5243961	3378	3.5286596
3313	3.5202214	3346	3.5245259	3379	3.5287882
3314	3.5203525	3347	3.5246557	3380	3.5289167
3315	3.5204835	3348	3.5247854	3381	3.5290452
3316	3.5306145	3349	3.5249151	3382	3.5291736
3317	3.5207455	3350	3.5250448	3383	3.5293020
3318	3.5208764	3351	3.5251744	3384	3.5294303
3319	3.5210073	3352	3.5253040	3385	3.5295587
3320	3.5211381	3353	3.5254335	3386	3.5296869
3321	3.5212689	3354	3.5255631	3387	3.5298152
3322	3.5213996	3355	3.5256925	3388	3.5299434
3323	3.5215303	3356	3.5258219	3389	3.5300716
3324	3.5216610	3357	3.5259513	3390	3.5301997
3325	3.5217916	3358	3.5260807	3391	3.5303278
3326	3.5219222	3359	3.5262100	3392	3.5304558
3327	3.5220528	3360	3.5263393	3393	3.5305839
3328	3.5221833	3361	3 5264685	3394	3.5307118
3329	3.5223128	3362	3.5265977	3395	3.5308398
3330	3.5224442	3363	3.5267269	3396	3.5309677
3331	3.5225746	3364	3.5268560	3397	3.5310955
3332	3.5227050	3365	3.5269851	3398	3.5312234
3333	3.5228353	3366	3.5271141	3399	3.5313512
3334	3.5229656	3367	3.5272431	3400	1.5314789

N.	Logarith.	N.	Logarith.	N.	Logarith.
3401	3.5316066	3434	3.5358003	3467	3.5399538
3402	3.5317343	3435	3.5359267	3468	3.5400791
3403	3.5318619	3436	3.5360532	3469	3.5402043
3404	3.5319895	3437	3.5361795	3470	3.5403295
3405	3.5321171	3438	3.5363059	3471	3.5404546
3406	3.5322446	3439	3.5364322	3472	3.5405797
3407	3.5323721	3440	3.5365584	3473	3.5407048
3408	3.5324996	3441	3.5366847	3474	3.5408298
3409	3.5326270	3442	3.5368109	3475	3.5409548
3410	3.5327544	3443	3.5369370	3476	3.5410798
3411	3.5328817	3444	3.5370631	3477	3.5412047
3412	3.5330090	3445	3.5371892	3478	3.5413296
3413	3.5331363	3446	3.5373153	3479	3.5414544
3414	3.5332635	3447	3.5374413	3480	3.5415792
3415	3.5333907	3448	3.5375672	3481	3.5417040
3416	3.5335179	3449	3.5376932	3482	3.5418288
3417	3.5336450	3450	3.5378191	3483	3.5419535
3418	3.5337721	3451	3.5379450	3484	3.5420781
3419	3.5338991	3452	3.5380708	3485	3.5422028
3420	3.5340261	3453	3.5381966	3486	3.5423274
3421	3.5341531	3454	3.5383223	3487	3.5424519
3422	3.5342800	3455	3.5384481	3488	3.5425765
3423	3.5344069	3456	3.5385737	3489	3.5427010
3424	3.5345338	3457	3.5386994	3490	3.5428254
3425	3.5346606	3458	3.5388250	3491	3.5429498
3426	3.5347874	3459	3.5389506	3492	3.5430742
3427	3.5349141	3460	3.5390761	3493	3.5431986
3428	3.5350408	3461	3.5392016	3494	3.5433229
3429	3.5351675	3462	3.5393271	3495	3.5434472
3430	3.5352941	3463	3.5394525	3496	3.5435714
3431	3.5354207	3464	3.5395779	3497	3.5436956
3432	3.5355473	3465	3.5397032	3498	3.5438198
3433	3.5356738	3466	3.5398286	3499	3.5439439
3434	3.5358003	3467	3.5399538	3500	3.5440680

N.	Logarith.	N.	Logarith.	N.	Logarith.
3501	3.5441921	3534	3.5482665	3567	3.5523031
3502	3.5443161	3535	3.5483894	3568	3.5524248
3503	3.5444401	3536	3.5485123	3569	3.5525465
3504	3.5445641	3537	3.5486351	3570	3.5526682
3505	3.5446880	3538	3.5487578	3571	3.5527898
3506	3.5448119	3539	3.5488806	3572	3.5529114
3507	3.5449358	3540	3.5490033	3573	3.5530330
3508	3.5450596	3541	3.5491259	3574	3.5531545
3509	3.5451834	3542	3.5492486	3575	3.5532760
3510	3.5453071	3543	3.5493712	3576	3.5533975
3511	3.5454308	3544	3.5494937	3577	3.5535189
3512	3.5455545	3545	3.5496162	3578	3.5536403
3513	3.5456781	3546	3.5497387	3579	3.5537617
3514	3.5458018	3547	3.5498612	3580	3.5538830
3515	3.5459253	3548	3.5499836	3581	3.5540043
3516	3.5460489	3549	3.5501060	3582	3.5541256
3517	3.5461724	3550	3.5502283	3583	3.5542468
3518	3.5462958	3551	3.5503507	3584	3.5543680
3519	3.5464193	3552	3.5504730	3585	3.5544892
3520	3.5465427	3553	3.5505952	3586	3.5546103
3521	3.5466660	3554	3.5507174	3587	3.5547314
3522	3.5467894	3555	3.5508396	3588	3.5548524
3523	3.5469126	3556	3.5509618	3589	3.5549735
3524	3.5470359	3557	3.5510839	3590	3.5550944
3525	3.5471591	3558	3.5512059	3591	3.5552154
3526	3.5472823	3559	3.5513280	3592	3.5553363
3527	3.5474055	3560	3.5514500	3593	3.5554572
3528	3.5475286	3561	3.5515720	3594	3.5555781
3529	3.5476517	3562	3.5516939	3595	3.5556989
3530	3.5477747	3563	3.5518158	3596	3.5558197
3531	3.5478977	3564	3.5519377	3597	3.5559404
3532	3.5480207	3565	3.5520595	3598	3.5560612
3533	3.5481436	3566	3.5521813	3599	3.5561818
3534	3.5482665	3567	3.5523031	3600	3.5563025

N.	Logarith.	N.	Logarith.	N.	Logarith.
3601	3.5564231	3634	3.5603849	3667	3.5643109
3602	3.5565437	3635	3.5605044	3668	3.5644293
3603	3.5566643	3636	3.5606239	3669	3.5645477
3604	3.5567848	3637	3.5607433	3670	3.5646661
3605	3.5569053	3638	3.5608627	3671	3.5647844
3606	3.5570257	3639	3.5609820	3672	3.5649027
3607	3.5571461	3640	3.5611014	3673	3.5650209
3608	3.5572665	3641	3.5612207	3674	3.5651392
3609	3.5573869	3642	3.5613399	3675	3.5652573
3610	3.5575072	3643	3.5614592	3676	3.5653755
3611	3.5576275	3644	3.5615784	3677	3.5654936
3612	3.5577477	3645	3.5616975	3678	3.5656117
3613	3.5578680	3646	3.5618167	3679	3.5657298
3614	3.5579881	3647	3.5619358	3680	3.5658478
3615	3.5581083	3648	3.5620548	3681	3.5659658
3616	3.5582284	3649	3.5621739	3682	3.5660838
3617	3.5583485	3650	3.5622929	3683	3.5662017
3618	3.5584686	3651	3.5624118	3684	3.5663196
3619	3.5585886	3652	3.5625308	3685	3.5664375
3620	3.5587086	3653	3.5626497	3686	3.5665553
3621	3.5588285	3654	3.5627685	3687	3.5666731
3622	3.5589484	3655	3.5628874	3688	3.5667909
3623	3.5590683	3656	3.5630062	3689	3.5669087
3624	3.5591882	3657	3.5631250	3690	3.5670264
3625	3.5593080	3658	3.5632437	3691	3.5671440
3626	3.5594278	3659	3.5633624	3692	3.5672617
3627	3.5595476	3660	3.5634811	3693	3.5673793
3528	3.5596673	3661	3.5635997	3694	3.5674969
3629	3.5597870	3662	3.5637183	3695	3.5676144
3630	3.5599066	3663	3.5638369	3696	3.5677320
3631	3.5600262	3664	3.5639555	3697	3.5678494
3632	3.5601458	3665	3.5640740	3698	3.5679669
3633	3.5602654	3666	3.5641925	3669	3.5680843
3634	3.5603849	3667	3.5643109	3700	3.5682017

N.	Logarith.	N.	Logarith.	N.	Logarith.
3701	3.5683191	3734	3.5721743	3767	3.5759956
3702	3.5684364	3735	3.5722906	3768	3.5761109
3703	3.5685537	3736	3.5724069	3769	3.5762261
3704	3.5686710	3737	3.5725231	3770	3.5763413
3705	3.5687882	3738	3.5726393	3771	3.5764565
3706	3.5689054	3739	3.5727555	3772	3.5765717
3707	3.5690226	3740	3.5728716	3773	3.5766868
3708	3.5691397	3741	3.5729877	3774	3.5768019
3709	3.5692568	3742	3.5731038	3775	3.5769169
3710	3.5693739	3743	3.5732198	3776	3.5770320
3711	3.5694910	3744	3.5733358	3777	3.5771470
3712	3.5696080	3745	3.5734518	3778	3.5772620
3713	3.5697249	3746	3.5735678	3779	3.5773769
3714	3.5698419	3747	3.5736837	3780	3.5774918
3715	3.5699588	3748	3.5737996	3781	3.5776067
3716	3.5700757	3749	3.5739154	3782	3.5777215
3717	3.5701926	3750	3.5740313	3783	3.5778363
3718	3.5703094	3751	3.5741471	3784	3.5779511
3719	3.5704262	3752	3.5742628	3785	3.5780659
3720	3.5705429	3753	3.5743786	3786	3.5781806
3721	3.5706597	3754	3.5744943	3787	3.5782953
3722	3.5707764	3755	3.5746099	3788	3.5784100
3723	3.5708930	3756	3.5747256	3789	3.5785246
3724	3.5710097	3757	3.5748412	3790	3.5786392
3725	3.5711263	3758	3.5749568	3791	3.5787538
3726	3.5712428	3759	3.5750723	3792	3.5788683
3727	3.5713594	4760	3.5751878	3793	3.5789828
3728	3.5714759	3761	3.5753033	3794	3.5790973
3729	3.5715924	3762	3.5754188	3795	3.5792118
3730	3.5717088	3763	3.5755342	3796	3.5793262
3731	3.5718252	3764	3.5756496	3797	3.5794406
3732	3.5719416	3765	3.5757650	3798	3.5795550
3733	3.5720580	3766	3.5758803	3799	3.5796693
3734	3.5721743	3767	3.5759956	3800	3.5797836

N.	Logarith.	N.	Logarith.	N.	Logarith.
3801	3.5798979	3834	3.5836521	3867	3.5873742
3802	3.5800121	3835	3.5837654	3868	3.5874865
3803	3.5801263	3836	3.5838786	3869	3.5875987
3804	3.5802405	3837	3.5839918	3870	3.5877110
3805	3.5803547	3838	3.5841050	3871	3.5878232
3806	3.5804688	3839	3.5842181	3872	3.5879353
3807	3.5805829	3840	3.5843312	3873	3.5880475
3808	3.5806969	3841	3.5844443	3874	3.5881596
3809	3.5808110	3842	3.5845574	3875	3.5882717
3810	3.5809250	3843	3.5846704	3876	3.5883838
3811	3.5810389	3844	3.5847834	3877	3.5884958
3812	3.5811529	3845	3.5848963	3878	3.5886078
3813	3.5812668	3846	3.5850093	3879	3.5887198
3814	3.5813807	3847	3.5851222	3880	2.5888317
3815	3.5814945	3848	3.5852351	3881	3.5889436
3816	3.5816084	3849	3.5853479	3882	3.5890555
3817	3.5817222	3850	3.5854607	3883	3.5891674
3818	3.5818359	3851	3.5855735	3884	3.5892792
3819	3.5819497	3852	3.5856863	3885	3.5893910
3820	3.5820634	3853	3.5857990	3886	3.5895028
3821	3.5821770	3854	3.5859117	3887	3.5896145
3822	3.5822907	3855	3.5860244	3888	3.5897262
3823	3.5824043	3856	3.5861370	3889	3.5898379
3824	3.5825179	3857	3.5862496	3890	3.5899496
3825	3.5826314	3858	3.5863622	3891	3.5900612
3826	3.5827450	3859	3.5864748	3892	3.5901728
3827	3.5828585	3860	3.5865873	3893	3.5902844
3828	3.5829719	3861	3.5866998	3894	3.5903959
3829	3.5830854	3862	3.5868123	3895	3.5905075
3830	3.5831988	3863	3.5869247	3896	3.5906189
3831	3.5833122	3864	3.5870371	3897	3.5907304
3832	3.5834255	3865	3.5871495	3898	3.5908418
3833	3.5835388	3866	3.5872618	3899	3.5909532
3834	3.5836521	3867	3.5873742	3900	3.5910646

N.	Logarith.	N.	Logarith.	N.	Logarith.
3901	3.5911759	3934	3.5948344	3967	3.5984622
3902	3.5912873	3935	3.5949447	3968	3.5985717
3903	3.5913985	3936	3.5950551	3969	3.5986811
3904	3.5915098	3937	3.5951654	3970	3.5987905
3905	3.5916210	3938	3.5952757	3971	3.5988999
3906	3.5917322	3939	3.5953860	3972	3.5990092
3907	3.5918434	3940	3.5954962	3973	3.5991186
3908	3.5919546	3941	3.5956064	3974	3.5992279
3909	3.5920657	3942	3.5957166	3975	3.5993371
3910	3.5921768	3943	3.5958268	3976	3.5994464
3911	3.5922878	3944	3.5959369	3977	3.5995556
3912	3.5923988	3945	3.5960470	3978	3.5996648
3913	3.5925098	3946	3.5961571	3979	3.5997739
3914	3.5926208	3947	3.5962671	3980	3.5998831
3915	3.5927318	3948	3.5963771	3981	3.5999911
3916	3.5928427	3949	3.5964871	3982	3.6001013
3917	3.5929536	3950	3.5965971	3983	3.6002103
3918	3.5930644	3951	3.5967070	3984	3.6003193
3919	3.5931753	3952	3.5968169	3985	3.6004283
3920	3.5932861	3953	3.5969268	3986	3.6005373
3921	3.5933968	3954	3.5970367	3987	3.6006462
3922	3.5935076	3955	3.5971465	3988	3.6007551
3923	3.5936183	3956	3.5972563	3989	3.6008640
3924	3.5937290	3957	3.5973661	3990	3.6009729
3925	3.5938397	3958	3.5974758	3991	3.6010817
3926	3.5939503	3959	3.5975855	3992	3.6011905
3927	3.5940609	3960	3.5976952	3993	3.6012993
3928	3.5941715	3961	3.5978048	3994	3.6014081
3929	3.5942820	3962	3.5979145	3995	3.6015168
3930	3.5943925	3963	3.5980241	3996	3.6016255
3931	3.5945030	3964	3.5981336	3997	3.6017341
3932	3.5946135	3965	3.5982432	3998	3.6018428
3933	3.5947239	3966	3.5983527	3999	3.6019514
3934	3.5948344	3967	3.5984622	4000	3.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith.
4001	3.6021685	4034	3.6057359	4067	3.6092742
4002	3.6022771	4035	3.6058435	4068	3.6093809
4003	3.6023856	4036	3.6059512	4069	3.6094877
4004	3.6024941	4037	3.6060587	4070	3.6095944
4005	3.6026025	4038	3.6061663	4071	3.6097011
4006	3.6027109	4039	3.6062738	4072	3.6098078
4007	3.6028193	4040	3.6063814	4073	3.6099144
4008	3.6029277	4041	3.6064888	4074	3.6100210
4009	3.6030361	4042	3.6065968	4075	3.6101276
4010	3.6031444	4043	3.6067037	4076	3.6102342
4011	3.6032527	4044	3.6068111	4077	3.6103407
4012	3.6033609	4045	3.6069185	4078	3.6104472
4013	3.6034692	4046	3.6070259	4079	3.6105537
4014	3.6035774	4047	3.6071332	4080	3.6106602
4015	3.6036855	4048	3.6072405	4081	3.6107666
4016	3.6037937	4049	3.6073478	4082	3.6108730
4017	3.6039018	4050	3.6074550	4083	3.6109794
4018	3.6040099	4051	3.6075622	4084	3.6110857
4019	3.6041180	4052	3.6076694	4085	3.6111921
4020	3.6042261	4053	3.6077766	4086	3.6112984
4021	3.6043341	4054	3.6078837	4087	3.6114046
4022	3.6044421	4055	3.6079909	4088	3.6115109
4023	3.6045500	4056	3.6080979	4089	3.6116171
4024	3.6046580	4057	3.6082050	4090	3.6117233
4025	3.6047659	4058	3.6083120	4091	3.6118295
4026	3.6048738	4059	3.6084190	4092	3.6119356
4027	3.6049816	4060	3.6085260	4093	3.6120417
4028	3.6050895	4061	3.6086330	4094	3.6121478
4029	3.6051973	4062	3.6087399	4095	3.6122539
4030	3.6053050	4063	3.6088468	4096	3.6123599
4031	3.6054128	4064	3.6089537	4097	3.6124660
4032	3.6055205	4065	3.6090605	4098	3.6125720
4033	3.6056282	4066	3.6091674	4099	3.6126779
4034	3.6057359	4067	3.6092742	4100	3.6127839

N.	Logarith.	N.	Logarith.	N.	Logarith.
4101	3.6128898	4134	3.6163705	4167	3.6198235
4102	3.6129957	4135	3.6164755	4168	3.6199277
4103	3.6131015	4136	3.6165805	4169	3.6200319
4104	3.6132073	4137	3.6166855	4170	3.6201360
4105	3.6133132	4138	3.6167905	4171	3.6202402
4106	3.6134189	4139	3.6168954	4172	3.6203443
4107	3.6135247	4140	3.6170003	4173	3.6204884
4108	3.6136304	4141	3.6171052	4174	3.6205524
4109	3.6137361	4142	3.6172101	4175	3.6206565
4110	3.6138418	4143	3.6173149	4176	3.6207605
4111	3.6139475	4144	3.6174197	4177	3.6208645
4112	3.6140531	4145	3.6175245	4178	3.6209684
4113	3.6141587	4146	3.6176293	4179	3.6210724
4114	3.6142643	4147	3.6177340	4180	3.6211763
4115	3.6143698	4148	3.6178387	4181	3.6212802
4116	3.6144754	4149	3.6179434	4182	3.6213840
4117	3.6145809	4150	3.6180481	4183	3.6214879
4118	3.6146863	4151	3.6181527	4184	3.6215917
4119	3.6147918	4152	3.6182573	4185	3.6216955
4120	3.6148972	4153	3.6183619	4186	3.6217992
4121	3.6150026	4154	3.6184645	4187	3.6219030
4122	3.6151080	4155	3.6185710	4188	3.6220067
4123	3.6152133	4156	3.6186755	4189	3.6221104
4124	3.6153187	4157	3.6187800	4190	3.6222140
4125	3.6154240	4158	3.6188845	4191	3.6223177
4126	3.6155292	4159	3.6189889	4192	3.6224213
4127	3.6156345	4160	3.6190933	4193	3.6225249
4128	3.6157397	4161	3.6191977	4194	3.6226284
4129	3.6158449	4162	3.6193021	4195	3.6227320
4130	3.6159501	4163	3.6194064	4196	3.6228355
131	3.6160552	4164	3.6195107	4197	3.6229390
132	3.6161603	4165	3.6196150	4198	3.6230424
133	3.6162654	4166	3.6196193	4199	3.6231459
134	3.6163705	4167	3.6198235	4200	3.6232493

N.	Logarith.	N.	Logarith.	N.	Logarith.
4201	3.6233527	4234	3.6267509	4267	3.6301226
4202	3.6234560	4235	3.6268534	4268	3.6302244
4203	3.6235594	4236	3.6269559	4269	3.6303262
4204	3.6236627	4237	3.6270585	4270	3.6304279
4205	3.6237660	4238	3.6271610	4271	3.6305296
4206	3.6238693	4239	3.6272634	4272	3.6306312
4207	3.6239725	4240	3.6273659	4273	3.6307329
4208	3.6240757	4241	3.6274683	4274	3.6308345
4209	3.6241789	4242	3.6275707	4275	3.6309361
4210	3.6242821	4243	3.6276730	4276	3.6310377
4211	3.6243852	4244	3.6277754	4277	3.6311392
4212	3.6244884	4245	3.6278777	4278	3.6312408
4213	3.6245915	4246	3.6279800	4279	3.6313423
4214	3.6246945	4247	3.6280823	4280	3.6314438
4215	3.6247976	4248	3.6281845	4281	3.6315452
4216	3.6249006	4249	3.6282867	4282	3.6316467
4217	3.6250036	4250	3.6283889	4283	3.6317481
4218	3.6251066	4251	3.6284911	4284	3.6318495
4219	3.6251095	4252	3.6285933	4285	3.6319508
4220	3.6253124	4253	3.6286954	4286	3.6320522
4221	3.6254153	4254	3.6287975	4287	3.6321535
4222	3.6255182	4255	3.6288996	4288	3.6322548
4223	3.6256211	4256	3.6290016	4289	3.6323560
4224	3.6257239	4257	3.6291036	4290	3.6324573
4225	3.6258267	4258	3.6292057	4291	3.6325585
4226	3.6259295	4259	3.6293076	4292	3.6326597
4227	3.6260322	4260	3.6294096	4293	3.6327609
4228	3.6261350	4261	3.6295115	4294	3.6328620
4229	3.6262377	4262	3.6296134	4295	3.6329632
4230	3.6263404	4263	3.6297153	4296	3.6330643
4231	3.6264430	4264	3.6298172	4297	3.6331653
4232	3.6265457	4265	3.6299190	4298	3.6332664
4233	3.6266483	4266	3.6300208	4299	3.6333674
4234	3.6267509	4267	3.6301226	4300	3.6334685

N.	Logarith.	N.	Logarith.	N.	Logarith.
4301	3.6335694	4334	3.6368889	4367	3.6401832
4302	3.6336704	4335	3.6369891	4368	3.6402826
4303	3.6337713	4336	3.6370893	4369	3.6403820
4304	3.6338723	4337	3.6371894	4370	3.6404814
4305	3.6339732	4338	3.6372895	4371	3.6405808
4306	3.6340740	4339	3.6373896	4372	3.6406802
4307	3.6341749	4340	3.6374897	4373	3.6407795
4308	3.6342757	4341	3.6375898	4374	3.6408788
4309	3.6343765	4342	3.6376898	4375	3.6409781
4310	3.6344773	4343	3.6377898	4376	3.6410773
4311	3.6345780	4344	3.6378898	4377	3.6411765
4312	3.6346788	4345	3.6379898	4378	3.6412758
4313	3.6347795	4346	3.6380897	4379	3.6413749
4314	3.6348801	4347	3.6381896	4380	3.6414741
4315	3.6349808	4348	3.6382895	4381	3.6415733
4316	3.6350814	4349	3.6383894	4382	3.6416724
4317	3.6351820	4350	3.6384893	4383	3.6417715
4318	3.6352826	4351	3.6385891	4384	3.6418705
4319	3.6353832	4352	3.6386889	4385	3.6419696
4320	3.6354837	4353	3.6387887	4386	3.6420686
4321	3.6355843	4354	3.6388884	4387	3.6421676
4322	3.6356848	4355	3.6389882	4388	3.6422666
4323	3.6357852	4356	3.6390879	4389	3.6423656
4324	3.6358857	4357	3.6391876	4390	3.6424645
4325	3.6359861	4358	3.6392872	4391	3.6425634
4326	3.6360865	4359	3.6393869	4392	3.6426623
4327	3.6361869	4360	3.6394865	4393	3.6427612
4328	3.6362872	4361	3.6395861	4394	3.6428601
4329	3.6363876	4362	3.6396857	4395	3.6429589
4330	3.6364879	4363	3.6397852	4396	3.6430577
4331	3.6365882	4364	3.6398847	4397	3.6431565
4332	3.6366884	4365	3.6399842	4398	3.6432552
4333	3.6367887	4366	3.6400837	4399	3.6433540
4334	3.6368889	4367	3.6401832	4400	3.6434527

N.	Logarith.	N.	Logarith.	N.	Logarith.
4401	3.6435514	4434	3.6467957	4467	3.6500160
4402	3.6436500	4435	3.6468936	4468	3.6501132
4403	3.6437487	4436	3.6469915	4469	3.6502104
4404	3.6438473	4437	3.6470894	4470	3.6503075
4405	3.6439459	4438	3 6471873	4471	3.6504047
4406	3.6440445	4439	3.6472851	4472	3.6505018
4407	3.6441430	4440	3.6473830	4473	3.6505989
4408	3.6442416	4441	3.6474808	4474	3.6506960
4409	3.6443401	4442	3.6475785	4475	3.6507930
4410	3.6444386	4443	3.6476763	4476	3.6508901
4411	3.6445371	4444	3.6477740	4477	3.6509871
4412	3.6446355	4445	3.6478718	4478	3.6510841
4413	3.6447339	4446	3.6479695	4479	3.6511811
4414	3.6448323	4447	3.6480671	4480	3.6512780
4415	3.6449307	4448	3.6481648	4481	3.6513749
4416	3.6450291	4449	3.6482624	4482	3.6514719
4417	3.6451274	4450	3.6483600	4483	3.6515687
4418	3.6452257	4451	3.6484576	4484	3.6516656
4419	3.6453240	4452	3.6485552	4485	3.6517624
4420	3.6454223	4453	3.6486527	4486	3.6518593
4421	3.6455205	4454	3.6487502	4487	3.6519561
4422	3.6456187	4455	3.6488477	4488	3.6520528
4423	3.6457169	4456	3.6489452	4489	3.6521496
4424	3.6458151	4457	3.6490426	4490	3.6522463
4425	3.6459133	4458	3.6491401	4491	3.6523430
4426	3.6460114	4459	3.6492375	4492	3.6524397
4427	3.6461095	4460	3.6493349	4493	3.6525364
4428	3.6462076	4461	3.6494322	4494	3.6526331
4429	3.6463057	4462	3.6495296	4495	3.6527297
4430	3.6464037	4463	3.6496269	4496	3 6528263
4431	3.6465017	4464	3.6497242	4497	3.6529229
4432	3.6465997	4465	3.6498215	4498	3.6530195
4433	3.6466977	4466	3.6499187	4499	3.6531160
4434	3 6467957	4467	3.6500160	4500	3.6532125

N.	Logarith.	N.	Logarith.	N.	Logarith.
4501	3.6533090	4534	3.6564815	4567	3.6596310
4502	3.6534055	4535	3.6565773	4568	3.6597261
4503	3.6535019	4536	3.6566730	4569	3.6598212
4504	3.6535984	4537	3.6567688	4570	3.6599162
4505	3.6536948	4538	3.6568645	4571	3.6600112
4506	3.6537912	4539	3.6569602	4572	3.6601062
4507	3.6538876	4540	3.6570559	4573	3.6602012
4508	3.6539839	4541	3.6571515	4574	3.6602962
4509	3.6540802	4542	3.6572471	4575	3.6603911
4510	3.6541765	4543	3.6573427	4575	3.6604860
4511	3.6542728	4544	3.6574383	4577	3.6605809
4512	3.6543691	4545	3.6575339	4578	3.6606758
4513	3.6544653	4546	3.6576294	4579	3.6607706
4514	3.6545616	4547	3.6577250	4580	3.6608655
4515	3.6546578	4548	3.6578205	4581	3.6609603
4516	3.6547539	4549	3.6579159	4582	3.6610551
4517	3.6548501	4550	3.6580114	4583	3.6611499
4518	3.6549462	4551	3.6581068	4584	3.6612446
4519	3.6550423	4552	3.6582023	4585	3.6613393
4520	3.6551384	4553	3.6582976	4586	3.6614340
4521	3.6552345	4554	3.6583930	4587	3.6615287
4522	3.6553306	4555	3.6584884	4588	3.6616234
4523	3.6554266	4556	3.6585837	4589	3.6617181
4524	3.6555226	4557	3.6586790	4590	3.6618127
4525	3.6556186	4558	3.6587743	4591	3.6619073
4526	3.6557145	4559	3.6588696	4592	3.6620019
4527	3.6558105	4560	3.6589648	4593	3.6620964
4528	3.6559064	4561	3.6590601	4594	3.6621910
4529	3.6560023	4562	3.6591553	4595	3.6622855
4530	3.6560982	4563	3.6592505	4596	3.6623800
4531	3.6561941	4564	3.6593456	4597	3.6624745
4532	3.6562899	4565	3.6594408	4598	3.6625690
4533	3.6563857	4566	3.6595359	4599	3.6626634
4534	3.6564815	4567	3.6596310	4600	3.6627578

N.	Logarith.	N.	Logarith.	N.	Logarith.
4601	3.6628522	4634	3.6659560	4667	3.6690378
4602	3.6629466	4635	3.6660497	4668	3.6691308
4603	3.6630410	4636	3.6661434	4669	3.6692239
4604	3.6631353	4637	3.6662371	4670	3 6693169
4605	3.6632296	4638	3.6663307	4671	3.6694099
4606	3.6633239	4639	3.6664244	4672	3.6695028
4607	3.6634182	4640	3.6665180	4673	3.6695958
4608	3.6635125	4641	3.6666116	4674	3.6696887
4609	3.6636067	4642	3.6667051	4675	3.6697816
4610	3.6637009	4643	3.6667987	4676	3.6698745
4611	3.6637951	4644	3.6668922	4677	3.6699674
4612	3.6638893	4645	3.6669857	4678	3.6700602
4613	3.6639835	4646	3.6670792	4679	3.6701530
4614	3.6640776	4647	3.6671727	4680	3.6702459
4615	3.6641717	4648	3.6672661	4681	3.6703386
4616	3.6642658	4649	3.6673595	4682	3.6704314
4617	3.6643599	4650	3.6674530	4683	3.6705242
4618	3.6644539	4651	3.6675463	4684	3.6706169
4619	3.6645480	4652	3.6676397	4685	3.6707096
4620	3.6646420	4653	3.6677331	4686	3.6708023
4621	3.6647360	4654	3.6678264	4687	3.6708950
4622	3.6648299	4655	3.6679197	4688	3.6709876
4623	3.6649239	4656	3.6680130	4689	3.6710802
4624	3.6650178	4657	3.6681062	4690	3.6711728
4625	3.6651117	4658	3.6681995	4691	3.6712654
4626	3.6652056	4659	3.6682927	4692	3.6713580
4627	3.6652995	4660	3.6683859	4693	3.6714506
4628	3.6652933	4661	3.6684791	4694	3.6715431
4629	3.6654872	4662	3.6685723	4695	3.6716356
4630	3.6655810	4663	3.6686654	4696	3.6717281
4631	3.6656748	4664	3.6687585	4697	3.6718206
4632	3.6657685	4665	3.6688516	4698	3.6719130
4633	3.6658623	4666	3.6689447	4699	3.6720054
4634	3.6759560	4667	3.6690378	4700	3.6720979

N.	Logarith.	N.	Logarith.	N.	Logarith.
4701	3.6721903	4734	3.6752283	4767	3.6782452
4702	3.6722826	4735	3.6753200	4768	3.6783362
4703	3.6723750	4736	3.6754117	4769	3.6784273
4704	3.6724673	4737	3.6755034	4770	3.6785184
4705	3.6725596	4738	3.6755951	4771	3.6786094
4706	3.6726519	4739	3.6756867	4772	3.6787004
4707	3.6727442	4740	3.6757783	4773	3.6787914
4708	3.6723365	4741	3.6758700	4774	3.6788824
4709	3.6729287	4742	3.6759615	4775	3.6789734
4710	3.6730209	4743	3.6760531	4776	3.6790643
4711	3.6731131	4744	3.6761447	4777	3.6791552
4712	3.6732053	4745	3.6762362	4778	3.6792461
4713	3.6732974	4746	3.6763277	4779	3.6793370
4714	3.6733896	4747	3.6764192	4780	3.6794279
4715	3.6734817	4748	3.6765107	4781	3.6795187
4716	3.6735738	4749	3.6766022	4782	3.6796096
4717	3.6736659	4750	3.6766936	4783	3.6797004
4718	3.6737579	4751	3.6767850	4784	3.6797912
4719	3.6738500	4752	3.6768764	4785	3.6798819
4720	3.6739420	4753	3.6769678	4786	3.6799727
4721	3.6740340	4754	3.6770592	4787	3.6800634
4722	3.6741260	4755	3.6771505	4788	3.6801541
4723	3.6742179	4756	3.6772418	4789	3.6802448
4724	3.6743099	5757	3.6773332	4790	3.6803355
4725	3.6744018	4758	3.6774244	4791	3.6804262
4726	3.6744937	4759	3.6775157	4792	3.6805168
4727	3.6745856	4760	3.6776070	4793	3.6806074
4728	3.6746775	4761	3.6776982	4794	3.6806980
4729	3.6747693	4762	3.6777894	4795	3.6807886
4730	3.6748611	4763	3.6778806	4796	3.6808792
4731	3.6749529	4764	3.6779718	4797	3.6809697
4732	3.6750447	4765	3.6780629	4798	3.6810602
4733	3.6751365	4766	3.6781540	4799	3.6811507
4734	3.6752283	4767	3.6782452	4800	3.6812414

N.	Logarith.	N.	Logarith.	N.	Logarith.
4801	3.6813317	4834	3.6843066	4867	3.6872613
4802	3.6814222	4835	3.6843965	4868	3.6873506
4803	3.6815126	4836	3.6844863	4869	3.6874398
4804	3.6816030	4837	3.6845761	4870	3.6875290
4805	3.6816934	4838	3 6846659	4871	3.6876181
4806	3.6817838	4839	3.6847556	4872	3.6877073
4807	3.6818741	4840	3.6848454	4873	3 6877964
4808	3.6819645	4841	3.6849351	4874	3.6878855
4809	3.6820548	4842	3 6850248	4875	3.6879746
4810	3.6821451	4843	3.6851145	4876	3.6880637
4811	3.6822354	4844	3.6852041	4877	3.6881528
4812	3.6823256	4845	3.6852938	4878	3.6882418
4813	3.6824159	4846	3.6853834	4879	3.6883308
4814	3.6825061	4847	3.6854730	4880	3.6884198
4815	3.6825963	4848	3.6855626	4881	3.6885088
4816	3 6826865	4849	3.6856522	4882	3.6885978
4817	3.6827766	4850	3.6857417	4883	3.6886867
4818	3.6828668	4851	3.6858313	4884	3.6887756
4819	3.6829569	4852	3.6859208	4885	3.6888646
4820	3.6830470	4853	3.6860103	4886	3.6889535
4821	3.6831371	4854	3.6860998	4887	3.6890423
4822	3.6832272	4855	3.6861892	4888	3.6891312
4823	3.6833173	4856	3.6862787	4889	3.6892200
4824	3.6834073	4857	3.6863681	4890	3.6893089
4825	3.6834973	4858	3.6864575	4891	3.6893977
4826	3.6835873	4859	3.6865469	4892	3.6894864
4827	3.6836773	4860	3.6866363	4893	3.6895752
4828	3.6837673	4861	3.6867256	4894	3.6896640
4829	3.6838572	4862	3.6868149	4865	3.6897527
4830	3.6839471	4863	3.6869043	4896	3.6898414
4831	3.6840370	4864	3.6869936	4897	3.6899301
4832	3.6841269	4865	3.6870828	4898	3.6900188
4833	3.6842168	4866	3.6871721	4899	3.6901074
4834	3.6843066	4867	3.6872613	4900	3.6901961

N.	Logarith.	N.	Logarith.	N.	Logarith.
4901	3.6902847	4934	3.6931991	4967	3.6960942
4902	3.6903733	4935	3.6932872	4968	3.6961816
4903	3.6904619	4936	3.6933752	4969	3.6962690
4904	3.6905505	4937	3.6934631	4970	3.6963564
4905	3.6906390	4938	3.6935511	4971	3.6964438
4906	3.6907275	4939	3.6936390	4972	3.6965311
4907	3.6908161	4940	3.6937269	4973	3.6966185
4908	3.6909046	4941	3.6938148	4974	3.6967058
4909	3.6909930	4942	3.6939027	4975	3.6967931
4910	3 6910815	4943	3.6939906	4976	3.6968804
4911	3.6911699	4944	3.6940785	4977	3.6969676
4912	3.6912584	4945	3.6941663	4978	3.6970549
4913	3.6913468	4946	3.6942541	4979	3.6971421
4914	3.6914352	4947	3.6943419	4980	3.6972293
4915	3.6915235	4948	3.6944297	4981	3.6973165
4916	3.6916119	4949	3.6945174	4982	3.6974037
4917	3.6917002	4950	3.6946052	4983	3 6974909
4918	3.6917885	4951	3.6946929	4984	3.6975780
4919	3.6918768	4952	3.6947806	4985	3.6976652
4920	3.6919651	4953	3.6948683	4986	3.6977523
4921	2.6920534	4954	3.6949560	4987	3.6978394
4922	3.6921416	4955	3.6950437	4988	3.6979264
4923	3.6922298	4956	3.6951313	4989	3.6980135
4924	3.6923180	4957	3.6952189	4990	3.6981005
4925	3.6924062	4958	3.6952065	4991	3.6981876
4929	3.6924944	4959	3.6953941	4992	3.6982746
4927	3.6925826	4960	3.6954817	4993	3.6983616
4928	3.6926707	4961	3.6955692	4994	3.6984485
4929	3.6927588	4962	3.6956568	4995	3.6985355
4930	3.6928469	4963	3.6957443	4996	3.6986224
4931	3.6929350	4964	3.6958318	4997	3.6987093
4932	3.6930231	4965	3.6959193	4998	3.6987963
4933	3.6931111	4966	3.6960067	4999	3.6988831
4934	4.6931991	4967	3.6960942	5000	3.6989700

N.	Logarith.	N.	Logarith.	N.	Logarith.
5001	3.6990569	5034	3.7019132	5067	3.7047509
5002	3.6991437	5035	3.7019995	5068	3.7048366
5003	3.6992305	5036	3.7020857	5069	3.7049223
5004	3.6993173	5037	3.7021719	5070	3.7050080
5005	3.6994041	5038	3.7022582	5071	3.7050936
5006	3.6994908	5039	3.7023444	5072	3.7051792
5007	3.6995776	5040	3.7024305	5073	3.7052649
5008	3.6996643	5041	3.7025167	5074	3.7053505
5009	3.6997510	5042	3.7026028	5075	3.7054360
5010	3.6998377	5043	3.7026890	5076	3.7055216
5011	3.6999244	5044	3.7027751	5077	3.7056072
5012	3.7000111	5045	3.7028612	5078	3.7056927
5013	3.7000977	5046	3.7029472	5079	3.7057782
5014	3.7001843	5047	3.7030333	5080	3.7058637
5015	3.7002709	5048	3.7031193	5081	3.7059492
5016	3.7003575	5049	3.7032054	5082	3.7060347
5017	3.7004441	5050	3.7032914	5083	3.7061201
5018	3.7005307	5051	3.7033774	5084	3.7062055
5019	3.7006172	5052	3.7034633	5085	3.7062910
5020	3.7007037	5053	3.7035493	5086	3.7063764
5021	3.7007902	5054	3.7036352	5087	3.7064617
5022	3.7008767	5055	3.7037212	5088	3.7065471
5023	3.7009632	5056	3.7038071	5089	3.7066324
5024	3.7010496	5057	3.7038929	5090	3.7067178
5025	3.7011361	5058	3.7039788	5091	3.7068031
5026	3.7012225	5059	3.7040647	5092	3.7068884
5027	3.7013089	5060	3.7041505	5093	3.7069737
5028	3.7013953	5061	3.7042363	5094	3.7070589
5029	3.7014816	5062	3.7043221	5095	3.7071442
5030	3.7015680	5063	3.7044079	5096	3.7072294
5031	3.7016543	5064	3.7044937	5097	3.7073146
5032	3.7017406	5065	3.7045794	5098	3.7073998
5033	3.7018269	5066	3.7046652	5099	3.7074850
5034	3.7019132	5067	3.7047509	5100	3.7075702

N.	Logarith.	N.	Logarith.	N.	Logarith.
5101	3.7076553	5134	3.7104559	5167	3.7132385
5102	3.7077405	5135	3.7105404	5168	3.7133225
5103	3.7078256	5136	3.7106250	5169	3.7134065
5104	3.7079107	5137	3.7107096	5170	3.7134905
5105	3.7079957	5138	3.7107941	5171	3.7135745
5106	3.7080808	5139	3.7107786	5172	3.7136585
5107	3.7081659	5140	3.7109631	5173	3.7137425
5108	3.7082509	5141	3.7110476	5174	3.7138264
5109	3.7083359	5142	3.7111321	5175	3.7139104
5110	3.7084209	5143	3.7112165	5176	3.7139943
5111	3.7085059	5144	3.7113010	5177	3.7140782
5112	3.7085908	5145	3.7113854	5178	3.7141620
5113	3.7086758	5146	3.7114698	5179	3.7142459
5114	3.7087607	5147	3.7115542	5180	3.7143298
5115	3.7088456	5148	3.7116385	5181	3.7144136
5116	3.7089305	5149	3.7117229	5182	3.7144974
5117	3.7090154	5150	3.7118072	5183	3.7145812
5118	3.7091003	5151	3.7118915	5184	3.7146650
5119	3.7091851	5152	3.7119759	5185	3.7147488
5120	3.7092700	5153	3.7120601	5186	3.7148325
5121	3.7093548	5154	3.7121444	5187	3.7149162
5122	3.7094396	5155	3.7122287	5188	3.7150000
5123	3.7095244	5156	3.7123129	5189	3.7150837
5224	3.7096091	5157	3.7123971	5190	3.7151674
5125	3.7096939	5158	3.7124813	5191	3.7152510
5126	3.7097786	5159	3.7125655	5192	3.7153347
5127	3.7098633	5160	3.7126497	5193	3.7154183
5128	3.7099480	5161	3.7127339	5194	3.7155019
5129	3.7100327	5162	3.7128180	5195	3.7155856
5130	3.7101174	5163	3.7129021	5196	3.7156691
5131	3.7102020	5164	3.7129862	5197	3.7157527
5132	3.7102866	5165	3.7130703	5198	3.7158363
5133	3.7103713	5166	3.7131544	5199	3.7159198
5134	3.7104559	5167	3.7132385	5200	3.7160033

N.	Logarith.	N.	Logarith.	N.	Logarith.
5201	3.7160869	5234	3.7188337	5267	3.7215633
5202	3.7161703	5235	3.7189167	5268	3.7216458
5203	3.7162538	5236	3.7189996	5269	3.7217282
5204	3.7163373	5237	3.7190826	5270	3.7218106
5205	3.7164207	5238	3.7191655	5271	3.7218930
5206	3.7165042	5239	3.7192484	5272	3.7219754
5207	3.7165876	5240	3.7193313	5273	3.7220578
5208	3.7166710	5241	3.7194142	5274	3.7221401
5209	3.7167544	5242	3.7194970	5275	3.7222225
5210	3.7168377	5243	3.7195799	5276	3.7223048
5211	3.7169211	5244	3.7196627	5277	3.7223871
5212	3.7170044	5245	3.7197455	5278	3.7224694
5213	3.7170877	4246	3.7198283	5279	3.7225517
5214	3.7171710	5247	3.7199111	5280	3.7226339
5215	3.7172543	5248	3.7199938	5281	3.7227162
5216	3.7173376	5249	3.7200766	5282	3.7227984
5217	3.7174208	5250	3.7201593	5283	3.7228806
5218	3.7175041	5251	3.7202420	5284	3.7229628
5219	3.7175873	5252	3.7203247	5285	3.7230450
5220	3.7176705	5253	3.7204074	5286	3.7231272
5221	3.7177537	5254	3.7204901	5287	3.7232093
5222	3.7178369	5255	3.7205727	5288	3.7232914
5223	3.7179200	5256	3.7206554	5289	3.7233736
5224	3.7180032	5257	3.7207380	5290	3.7234557
5225	3.7180863	5258	3.7208206	5291	3.7235378
5226	3.7181694	5259	3.7209032	5292	3.7236198
5227	3.7182525	5260	3.7209857	5293	3.7237019
5228	3.7183356	5261	3.7210683	5294	3.7237839
5229	3.7184186	5262	3.7211508	5295	3.7238660
5230	3.7185017	5263	3.7212334	5296	3.7239480
5231	3.7185847	5264	3.7213159	5297	3.7240300
5232	3.7186677	5265	3.7213984	5298	3.7241120
5233	3.7187507	5266	3.7214809	5299	3.7241939
5234	3.7188337	5267	3.7215633	5300	3.7242759

N.	Logarith.	N.	Logarith.	N.	Logarith.
5301	3.7243578	5334	3.7270530	5367	3.7297316
5302	3.7244397	5335	3.7271344	5368	3.7298125
5303	3.7245216	5336	3.7272158	5369	3.7298934
5304	3.7246035	5337	3.7272972	5370	3.7299743
5305	3.7246854	5338	3.7273786	5371	3.7300551
5306	3.7247672	5339	3.7274599	5372	3.7301360
5307	3.7248491	5340	3.7275413	5373	3.7302168
5308	3.7249309	5341	3.7276226	5374	3.7302977
5309	3.7250127	5342	3.7277039	5375	3.7303785
5310	3.7250945	5343	3.7277852	5376	3.7304593
5311	3.7251763	5344	3.7278664	5377	3.7305400
5312	3.7252581	5345	3.7279477	5378	3.7306208
5313	3.7253398	5346	3.7280290	5379	3.7307015
5314	3.7254215	5347	3.7281102	5380	3.7307823
5315	3.7255033	5348	3.7281914	5381	3.7308630
5316	3.7255850	5349	3.7282726	5382	3.7309437
5317	3.7256667	5350	3.7283538	5383	3.7310244
5318	3.7257483	5351	3.7284349	5384	3.7311051
5319	3.7258300	5352	3.7285161	5385	3.7311857
5320	3.7259116	5353	3.7285972	5386	3.7312663
5321	3.7259933	5354	3.7286784	5387	3.7313470
5322	3.7260749	5355	3.7287595	5388	3.7314276
5323	3.7261565	5356	3.7288406	5389	3.7315082
5324	3.7262380	5357	3.7289216	5390	3.7315888
5325	3.7263196	5358	3.7290027	5391	3.7316693
5326	3.7264012	5359	3.7290838	5392	3.7317499
5327	3.7264827	5360	3.7291648	5393	3.7318304
5328	3.7265642	5361	3.7292458	5394	3.7319109
5329	3.7266457	5362	3.7293268	5395	3.7319914
5330	3.7267272	5363	3.7294078	5396	3.7320719
331	3.7268087	5364	3.7294888	5397	3.7321524
332	3.7268901	5365	3.7295697	5398	3.7322329
333	3.7269716	5366	3.7296507	5399	3.7323133
334	3.7270530	5367	3.7297316	5400	3.7323938

N.	Logarith.	N.	Logarith.	N.	Logarith.
5401	3.7324742	5434	3.7351196	5467	3.7377491
5402	3.7325546	5435	3.7351995	5468	3.7378285
5403	3.7326350	5436	3.7352794	5469	3.7379079
5404	3.7327153	5437	3.7353593	5470	3.7379873
5405	3.7327957	5438	3.7354392	5471	3.7380667
5406	3.7328760	5439	3.7355191	5472	3.7381461
5407	3.7329564	5440	3.7355989	5473	3.7382254
5408	3.7330367	5441	3.7356787	5474	3.7383048
5409	3.7331170	5442	3.7357585	5475	3.7383841
5410	3.7331973	5443	3.7358383	5476	3.7384634
5411	3.7332775	5444	3.7359181	5477	3.7385427
5412	3.7333578	5445	3.7359979	5478	3.7386220
5413	3.7334380	5446	3.7360776	5479	3.7387013
5414	3.7335182	5447	3.7361574	5480	3.7387806
5415	3.7335985	5448	3.7362371	5481	3.7388598
5416	3.7336787	5449	3.7363168	5482	3.7389390
5417	3.7337588	5450	3.7363965	5483	3.7390182
5418	3.7338390	5451	3.7364762	5484	3.7390974
5419	3.7339191	5452	3.7365558	5485	3.7391766
5420	3.7339993	5453	3.7366355	5486	3.7392558
5421	3.7340794	5454	3.7367151	5487	3.7393350
5422	3.7341595	5455	3.7367948	5488	3.7304141
5423	3.7342396	5456	3.7368744	5489	3.7394932
5424	3.7343197	5457	3.7369540	5490	3.7395723
5425	3.7343997	4458	3.7370335	5491	3.7396514
5426	3.7344798	5459	3.7371131	5492	3.7397305
5427	3.7345598	5460	3.7371926	5493	3.7398096
5428	3.7346398	5461	3.7372722	5494	3.7398886
5429	3.7347198	5462	3.7373517	5495	3.7399677
5430	3.7347998	5463	3.7374312	5496	3.7400467
5431	3.7348798	5464	3.7375107	5497	3.7401257
5432	3.7349598	5465	3.7375902	5498	3.7402047
5433	3.7350397	5466	3.7376696	5499	3.7402837
5434	3.7351196	5467	3.7377491	5500	3.7403627

N.	Logarith.	N.	Logarith.	N.	Logarith.
5501	3.7404416	5534	3.7430392	5567	3.7456212
5502	3.7405206	5535	3.7431176	5568	3.7456992
5503	3.7405995	5536	3.7431961	5569	3.7457772
5504	3.7406784	5537	3.7432745	5570	3.7458552
5505	3.7407573	5538	3.7433530	5571	3.7459332
5506	3.7408362	5539	3.7434314	5572	3.7460111
5507	3.7409151	5540	3.7435098	5573	3.7460890
5508	3.7409939	5541	3.7435881	5574	3.7461670
5509	3.7410728	5542	3.7436665	5575	3.7462449
5510	3.7411516	5543	3.7437449	5576	3.7463228
5511	3.7412304	5544	3.7438232	5577	3.7464006
5512	3.7413092	5545	3.7439015	5578	3.7464785
5513	3.7413880	5546	3.7439799	5579	3.7465564
5514	3.7414668	5547	3.7440582	5580	3.7466342
5515	3.7415455	5548	3.7441365	5581	3.7467120
5516	3.7416243	5549	3.7442147	5582	3.7467898
5517	3.7417030	5550	3.7442930	5583	3.7468676
5518	3.7417817	5551	3.7443712	5584	3.7469454
5519	3.7418604	5552	3.7444495	5585	3.7470232
5520	3.7419391	5553	3.7445277	5586	3.7471009
5521	3.7420177	5554	3.7446059	5587	3.7471787
5522	3.7420964	5555	3.7446841	5588	3.7472564
5523	3.7421750	5556	3.7447622	5589	3.7473341
5524	3.7422537	5557	3.7448404	5590	3.7474118
5525	3.7423323	5558	3.7449185	5591	3.7474895
5526	3.7424109	5559	3.7449967	5592	3.7475672
5527	3.7424895	5560	3.7450748	5593	3.7476448
5528	3.7425680	5561	3.7451529	5594	3.7477225
5529	3.7426466	5562	3.7452310	5595	3.7478001
5530	3.7427251	5563	3.7453091	5596	3.7478777
5531	3.7428037	5564	3.7453871	5597	3.7479553
5532	3.7428822	5565	3.7454652	5598	3.7480329
5533	3.7429607	5566	3.7455432	5599	3.7481105
5534	3.7430392	5567	3.7456212	5600	3.7481880

N.	Logarith.	N.	Logarith.	N.	Logarith.
5601	3.7482656	5634	3.7508168	5667	3.7533532
5602	3.7483431	5635	3.7508939	5668	3.7534298
5603	3.7484206	5636	3.7509710	5669	3.7535065
5604	3.7484981	5637	3.7510480	5670	3.7535831
5605	3.7485756	5638	3.7511251	5671	3.7536596
5606	3.7486531	5639	3.7512021	5672	3.7537362
5607	3.7487306	5640	3.7512791	5673	3.7538128
5608	3.7488080	5641	3.7513561	5674	3.7538893
5609	3.7488854	5642	3.7514331	5675	3.7539659
5610	3.7489629	5643	3.7515100	5676	3.7540424
5611	3.7490403	5644	3.7515870	5677	3.7541189
5612	3.7491177	5645	3.7516639	5678	3.7541954
5613	3.7491950	5646	3.7517409	5679	3.7542719
5614	3.7492724	5647	3.7518178	5680	3.7543483
5615	3 7493498	5648	3.7518947	5681	3.7544248
5616	3.7494271	5649	3.7519716	5682	3.7545012
5617	3.7495044	5650	3.7520484	5683	3.7545777
5618	3.7495817	5651	3.7521253	5684	3.7546541
5619	3.7496590	5652	3.7522022	5685	3.7547305
5620	3.7497363	5653	3.7522790	5686	3.7548069
5621	3.7498136	5654	3.7523558	5687	3.7548832
5622	3.7498908	5655	3.7524326	5688	3.7549596
5623	3.7499681	5656	3.7525094	5689	3.7550359
5624	3.7500453	5657	3.7525862	5690	3.7551123
5625	3.7501225	5658	4.7526629	5691	3.7551886
5626	3.7501997	5659	3.7527397	5692	3.7552649
5627	3.7502769	5660	3.7528164	5693	3.7553412
5628	3.7503541	5661	3.7528932	5694	3.7554175
5629	3.7504312	5662	3.7529699	5695	3.7554937
5630	3.7505084	5663	3.7530466	5696	3.7555700
5631	3.7505855	5664	3.7531232	5697	3.7556462
5632	3.7506626	5665	3.7531999	5698	3.7557224
5633	3.7507398	5666	3.7532766	5699	3.7557987
5634	3.7508168	5667	3.7533532	5700	3.7558749

N.	Logarith.	N.	Logarith.	N.	Logarith.
5701	3.7559510	5734	3.7584577	5767	3.7609500
5702	3.7560272	5735	3.7585334	5768	3.7610253
5703	3.7561034	5736	3.7586091	5769	3.7611005
5704	3.7561795	5737	3.7586848	5770	3.7611758
5705	3.7562556	5738	3.7587605	5771	3.7612511
5706	3.7563318	5739	3.7588362	5772	3.7613263
5707	3.7564079	5740	3.7589119	5773	3.7614016
5708	3.7564840	5741	3.7589875	5774	3.7614768
5709	3.7565600	5742	3.7590632	5775	3.7615520
5710	3.7566361	5743	3.7591388	5776	3.7616272
5711	3.7567122	5744	3.7593144	5777	3.7617024
5712	3.7567882	5745	3.7592900	5778	3.7617775
5713	3.7568642	5746	3.7593656	5779	3.7618527
5714	3.7569402	5747	3.7594412	5780	3.7619278
5715	3.7570162	5748	3.7595168	5781	3.7620030
5716	3.7570922	5749	3.7595923	5782	3.7620781
5717	3.7571682	5750	3.7596678	5783	3.7621532
5718	3.7572441	5751	3.7597434	5784	3.7622283
5719	3.7573201	5752	3.7598189	5785	3.7623034
5720	3.7573960	5753	3.7598944	5786	3.7623784
5721	3.7574719	5754	3.7599699	5787	3.7624535
5722	3.7575479	5755	3.7600453	5788	3.7625285
5723	3.7576237	5756	3.7601208	5789	3.7626035
5724	3.7576996	5757	3.7601962	5790	3.7626786
5725	3.7577755	5758	3.7602717	5791	3.7627536
5726	3.7578513	5759	3.7603471	5792	3.7628286
5727	3.7579272	5760	3.7604225	5793	3.7629035
5728	3.7580030	5761	3.7604979	5794	3.7629785
5729	3.7580788	5762	3.7605733	5795	3.7630534
5730	3.7581546	5763	3.7606486	5796	3.7631284
5731	3.7582304	5764	3.7607240	5797	3.7632033
5732	3.7583062	5765	3.7607993	5798	3.7632782
5733	3.7583819	5766	3.7608746	5799	3.7633531
5734	3.7584577	5767	3.7609500	5800	3.7634280

N.	Logarith.	N.	Logarith.	N.	Logarith.
5801	3.7635029	5834	3.7659664	5867	3.7684161
5802	3.7635777	5835	3.7660409	5868	3.7684901
5803	3.7636526	5836	3.7661153	5869	3.7685641
5804	3.7637274	5837	3.7661897	5870	3.7686381
5805	3.7638022	5838	3.7662641	5871	3.7687121
5806	3.7638770	5839	3.7663385	5872	3.7687860
5807	3.7639518	5840	3.7664128	5873	3.7688600
5808	3.7640266	5841	3.7664872	5874	3.7689339
5809	3.7641014	5842	3.7665616	5875	3.7690079
5810	3.7641761	5843	3.7666359	5876	3.7690818
5811	3.7642509	5844	3.7667102	5877	3.7691557
5812	3.7643256	5845	3.7667845	5878	3.7692296
5813	3.7644003	5846	3.7668588	5879	3.7693035
5814	3.7644750	5847	3.7669331	5880	3.7693773
5815	3.7645497	5848	3.7670074	5881	8.7694512
5816	3.7646244	5849	3.7670816	5882	3.7695250
5817	3.7646991	5850	3.7671559	5883	3.7695988
5818	3.7647737	5851	3.7672301	5884	3.7696727
5819	3.7648484	5852	3.7673043	5885	3.7697465
5820	3.7649230	5853	3.7673785	5886	3.7698203
5821	3.7649976	5854	3.7674527	5887	3.7698940
5822	3.7650722	5855	3.7675269	5888	3.7699678
5823	3.7651468	5856	3.7676011	5889	3.7700416
5824	3.7652214	5857	3.7676752	5890	3.7701153
5825	3.7652959	5858	3.7677494	5891	3.7701890
5826	3.7653705	5859	3.7678235	5892	3.7702627
5827	3.7654450	5860	3.7678976	5893	3.7703364
5828	3.7654195	5861	3.7679717	5894	3.7704101
5829	3.7655941	5862	3.7680458	5895	3.7704838
5830	3.7656686	5863	3.7681199	5896	3.7705575
5831	3.7657430	5864	3.7681940	5897	3.7706311
5832	3.7658175	5665	3.7682680	5898	3.7707048
5833	3.7658920	5866	3.7683421	5899	3.7707784
5834	3.7659664	5867	3.7684161	5900	3.7708520

N.	Logarith.	N.	Logarith.	N.	Logarith.
5901	3.7709256	5934	3.7733475	5967	3.7757560
5902	3.7709992	5935	3.7734207	5968	3.7758288
5903	3.7710728	5936	3.7734939	5969	3.7759016
5904	3.7711463	5937	3.7735670	5970	3.7759743
5905	3.7712199	5938	3.7736402	5971	3.7760471
5906	3.7712934	5939	3.7737133	5972	3.7761198
5907	3.7713670	5940	3.7737864	5973	3.7761925
5908	3.7714405	5941	3.7738596	5974	3.7762652
5909	3.7715140	5942	3.7739326	5975	3.7763379
5910	3.7715875	5943	3.7740057	5976	3.7764106
5911	3.7716610	5944	3.7740788	5977	3.7764833
5912	3.7717344	5945	3.7741519	5978	3.7765559
5913	3.7718079	5946	3.7742249	5979	3.7766286
5914	3.7718813	5947	3.7742979	5980	3.7767012
5915	3.7719547	5948	3.7743710	5981	3.7767738
5916	3.7720282	5949	3.7744440	5982	3.7768464
5917	3.7721016	5950	3.7745170	5983	3.7769190
5918	3.7721750	5951	3.7745899	5984	3.7769916
5919	3.7722483	5952	3.7746629	5985	3.7770642
5920	3.7723217	5953	3.7747359	5986	3.7771367
5921	3.7723951	5954	3.7748088	5987	3.7772093
5922	3.7724684	5955	3.7748818	5988	3.7772818
5923	3.7725417	5956	3.7749547	5989	3.7773543
5924	3.7726150	5957	3.7750276	5990	3.7774268
5925	3.7726884	5958	3.7751005	5991	3.7774993
5926	3.7727616	5959	3.7751734	5992	3.7775718
5927	3.7728349	5960	3.7752463	5993	3.7776443
5928	3.7729082	5961	3.7753191	5994	3.7777167
5929	3.7729814	5962	3.7753920	5995	3.7777892
5930	3.7730547	5963	3.7754648	5996	3.7778616
5931	3.7731279	5964	3.7755376	5997	3.7779340
5932	3.7732011	5965	3.7756104	5998	3.7780065
5933	3.7732743	5966	3.7756832	5999	3.7780789
5934	3.7733475	5967	3.7757560	6000	3.7781512

N.	Logarith.	N.	Logarith.	N.	Logarith.
6001	3.7782236	6034	3.7806053	6067	3.7829740
6002	3.7782960	6035	3.7806773	6068	3.7830456
6003	3.7783683	6036	3.7807492	6069	3.7831171
6004	3.7784407	6037	3.7808212	6070	3.7831887
6005	3.7785130	6038	3.7808931	6071	3.7832602
6006	3.7785853	6039	3.7809650	6072	3.7833318
6007	3.7786576	6040	3.7810369	6073	3.7834033
6008	3.7787299	6041	3.7811088	6074	3.7834748
6009	3.7788022	6042	3.7811807	6075	3.7835463
6010	3.7788745	6043	3.7812526	6076	3.7836178
6011	3.7789467	6044	3.7813245	6077	3.7836892
6012	3.7790190	6045	3.7813963	6078	3.7837607
6013	3.7790912	6046	3.7814681	6079	3.7838321
6014	3.7791634	6047	3.7815400	6080	3.7839036
6015	3.7792356	6048	3.7816118	6081	3.7839750
6016	3.7793078	6049	3.7816836	6082	3.7840464
6017	3.7793800	6050	3.7817554	6083	3.7841178
6018	3.7794522	6051	3.7818272	6084	3.7841892
6019	3.7795243	6052	3.7818989	6085	3.7842606
6020	3.7795965	6053	3.7819707	6086	3.7843319
6021	3.7796686	6054	3.7820424	6087	3.7844033
6022	3.7797408	6055	3.7821141	6088	3.7844746
6023	3.7798129	6056	3.7821859	6089	3.7845460
6024	3.7798850	6057	3.7822576	6090	3.7846173
6025	3.7799571	6058	3.7823293	6091	3.7846886
6026	3.7800291	6059	3.7824010	6092	3.7847599
6027	3.7801012	6060	3.7824726	6093	3.7848312
6028	3.7801732	6061	3.7825443	6094	3.7849024
6029	3.7802453	6062	3.7826159	6095	3.7849737
6030	3.7803173	6063	3.7826876	6096	3.7850450
6031	3.7803893	6064	3.7827592	6097	3.7851162
6032	3.7804613	6065	3.7828308	6098	3.7851874
6033	3.7805333	6066	3.7829024	6099	3.7852586
6034	3.7806053	6067	3.7829740	6100	3.7853298

N.	Logarith.	N.	Logarith.	N.	Logarith.
6101	3.7854010	6134	3.7877438	6167	3.7900739
6102	3.7854722	6135	3.7878146	6168	3.7901444
6103	3.7855434	6136	3.7878853	6169	3.7902148
6104	3.7856145	6137	3.7879561	6170	3.7902852
6105	3.7856857	6138	3.7880269	6171	3.7903555
6106	3.7857568	6139	3.7880976	6172	3.7904259
6107	3.7858279	6140	3.7881684	6173	3.7904963
6108	3.7858990	6141	3.7882391	6174	3.7905666
6109	3.7859701	6142	3.7883098	6175	3.7906370
6110	3.7860412	6143	3.7883805	6176	3.7907073
6111	3.7861123	6144	3.7884512	6177	3.7907776
6112	3.7861833	6145	3.7885219	6178	3.7908479
6113	3.7862544	6146	3.7885926	6179	3.7909182
6114	3.7863254	6147	3.7886632	6180	3.7909885
6115	3.7863965	6148	3.7887339	6181	3.7910587
6116	3.7864675	6149	3.7888045	6182	3.7911290
6117	3.7865385	6150	3.7888751	6183	3.7911992
6118	3.7866095	6151	3.7889457	6184	3.7912695
6119	3.7866805	6152	3.7890163	6185	3.7913397
6120	3.7867514	6153	3.7890869	6186	3.7914099
6121	3.7868224	6154	3.7891575	6187	3.7914801
6122	3.7868933	6155	3.7892281	6188	3.7915503
6123	3.7869643	6156	3.7892986	6189	3.7916205
6124	3.7870352	6157	3.7893692	6190	3.7916909
6125	3.7871061	6158	3.7894397	6191	3.7917608
6126	3.7871770	6159	3.7895102	6192	3.7918309
6127	3.7872479	6160	3.7895807	6193	3.7919011
6128	3.7873188	6161	3.7896512	6194	3.7919712
6129	3 7873896	6162	8.7897217	6195	3.7920413
6130	3.7874605	6163	3.7897922	6196	3.7921114
6131	3.7875313	6164	3.7898626	6197	3.7921815
6132	3.7876021	6165	3.7899331	6198	3.7922516
6133	3.7876730	6166	3.7900035	6199	3.7923216
6134	3.7877438	6167	3.7900739	6200	3.7923917

N.	Logarith.	N.	Logarith.	N.	Logarith.
6201	3.7924617	6234	3.7947668	6267	3.7970597
6202	3.7925318	6235	3.7948365	6268	3.7971290
6203	3.7926018	6236	3.7949061	6269	3.7971983
6204	3.7926718	6237	3.7949757	6270	3.7972675
6205	3.7927418	6238	3.7950454	6271	3.7973368
6206	3.7928118	6239	3.7951150	6272	3.7974060
2607	3.7928817	6240	3.7951846	6273	3.7974753
6208	3.7929517	6241	3.7952542	6274	3.7975445
6209	3.7930217	6242	3.7953238	6275	3.7976137
6210	3.7930916	6243	3.7953933	6276	3.7976829
6211	3.7931615	6244	3.7954629	6277	3.7977521
6212	3.7932314	6245	3.7955324	6278	3.7978213
6213	3.7933014	6246	3.7956020	6279	3.7978905
6214	3.7933712	6247	3.7956715	6280	3.7979596
6215	3.7934411	6248	3.7957410	6281	3.7980288
6216	3.7935110	6249	3.7958105	6282	3.7980979
6217	3.7935809	6250	3.7958800	6283	3.7981671
6218	3.7936507	6251	3.7959495	6284	3.7982362
6219	3.7937206	6252	3.7960190	6285	3.7983053
6220	3.7937904	6253	3.7960884	6286	3.7983744
6221	3.7938602	6254	3.7961579	6287	3.7984435
6222	3.7939300	6255	3.7962273	6288	3.7985125
6223	3.7939998	6256	3.7962967	6289	3.7985816
6224	3.7940696	6257	3.7963662	6290	3.7986506
6225	3.7941394	6258	3.7964356	6291	3.7987198
6226	3.7942091	6259	3.7965050	6292	3.7987887
6227	3.7942789	6260	3.7965743	6293	3.7988577
6228	3.7943486	6261	3.7966437	6294	3.7989267
6229	3.7944183	6262	3.7967131	6295	3.7989957
6230	3.7944880	6263	3.7967824	6296	3.7990647
6231	3.7945578	6264	3.7968517	6297	3.7991337
6232	3.7946274	6265	3.7969211	6298	3.7992027
6233	3.7946971	6266	3.7969904	6299	3.7992716
6234	3.7947668	6267	3.7970597	6300	3.7993405

N.	Logarith.	N.	Logarith.	N.	Logarith.
6301	3.7994095	6334	3.8016781	6367	3.8039348
6302	3.7994784	6335	3.8017466	6368	3.8040031
6303	3.7995473	6336	3.8018152	6369	3.8040712
6304	3.7996162	6337	3.8018837	3670	3 8041394
6305	3.7996851	6338	3.8019522	6371	3.8042076
6306	3.7997540	6339	3.8020208	6372	3.8042758
6307	3.7998228	6340	3.8020893	6373	3.8043439
6308	3.7998917	6341	3.8021578	6374	4.8044121
6309	3.7999605	6342	3.8022262	6375	3.8044802
6310	3.8000294	6343	3.8022947	6376	3.8045483
6311	3.8000982	6344	3.8023632	6377	3.8046164
6312	3.8001670	6345	3.8024316	6378	3.8046845
6313	3.8002358	6346	3.8025001	6379	3.8047526
6314	3 8003046	6347	3.8025685	6380	3.8048207
6315	3.8003734	6348	3.8026369	6381	3.8048887
6316	3.8004421	6349	3.8027053	9382	3.8049568
6317	3.8005109	6350	3.8027737	6383	3.8050248
6318	3.8005796	6351	3.8028421	6384	3.8050929
6319	3.8006484	6352	3.8029105	6385	3.8051609
6320	3.8007171	6353	3.8029789	6386	3.8052289
6321	3.8007858	6354	3.8030472	6387	3.8052969
6322	3.8008545	6355	3.8031156	6388	3.8053649
6323	3.8009232	6356	3.8031839	6389	3.8054329
6324	3.8009919	6357	3.8032522	6390	3.8055009
6325	3.8010605	6358	3.8033205	6391	3.8055688
6326	3.8011292	6359	3.8033888	6392	3.8056368
6327	3.8011978	6360	3.8034571	6393	3.8057047
6328	3.8012665	6361	3.8035254	6394	3.8057726
6329	3.8013351	6362	3.8035937	6395	3.8058405
6330	3.8014037	6363	3.8036619	6396	3.8059085
6331	3.8014723	6364	3.8037302	6397	3.8059764
6332	3.8015409	6365	3.8037984	6398	3.8060442
6333	3.8016095	6366	3.8038666	6399	3.8061121
6334	3.8016781	6367	3.8039348	6400	3.8061800

N.	Logarith.	N.	Logarith.	N.	Logarith.
401	3.8062478	6434	3.8084811	6467	3.8107029
402	3.8063157	6435	3.8085486	6468	3.8107700
403	3.8063835	6436	3.8086160	6469	3.8108371
404	3.8064513	6437	3.8086835	6470	3.8109043
405	3.8065191	6438	3.8087510	6471	3.8109714
406	3.8065869	6439	3.8088184	6472	3.8110385
407	3.8066547	6440	3.8088859	6473	3.8111056
408	3.8067225	6441	3.8089533	6474	3.8111727
409	3.8067903	6442	3.8090207	6475	3.8112398
410	3.8068580	6443	3.8090881	6476	3.8113068
411	3.8069258	6444	3.8091555	6477	3.8113739
412	3.8069935	6445	3.8092229	6478	3.8114409
413	3.8070612	6446	3.8092903	6479	3.8115080
414	3.8071290	6447	3.8093577	6480	3.8115750
415	3.8071967	6448	3.8094250	6481	3.8116420
416	3.8072644	6449	3.8094924	6482	3.8117090
417	3.8073320	6450	3.8095597	6483	3.8117760
418	3.8073997	6451	3.8096270	6484	3.8118430
419	3.8074674	6452	3.8096944	6485	3.8119100
420	3.8075350	6453	3.8097617	6486	3.8119769
421	3.8076027	6454	3.8098290	6487	3.8120439
422	3.8076703	6455	3.8098962	6488	3.8121108
423	3.8077379	6456	3.8099635	6489	3.8121778
424	3.8078055	6457	3.8100308	6490	3.8122447
425	3.8078731	6458	3.8100980	6491	3.8123116
426	3.8079407	6459	3.8101653	6492	3.8123785
427	3.8080083	6460	3.8102325	6493	3.8124454
428	3.8080759	6461	3.8102997	6494	3.8125123
429	3.8081434	6462	3.8103670	6495	3.8125792
430	3.8082110	6463	3.8104342	6496	3.8126460
431	3.8082785	6464	3.8105013	6497	3.8127129
432	3.8083460	6465	3.8105685	6498	3.8127797
433	3.8084136	6466	3.8106357	6499	3.8128465
434	3.8084811	6467	3.8107029	6500	3.8129134

N.	Logarith.	N.	Logarith.	N.	Logarith.
6501	3.8129802	6534	3.8151791	6567	3.8173670
6502	3.8130470	6535	3.8152456	6568	3.8174331
6503	3.8131138	6536	3.8153120	6569	3.8174993
6504	3.8131805	6537	3.8153785	6570	3.8175654
6505	3.8132473	6538	3.8154449	6571	3.8176315
6506	3.8133141	6539	3.8155113	6572	3.8176976
6507	3.8133808	6540	3.8155777	6573	3.8177636
6508	3.8134475	6541	3.8156441	6574	3.8178297
6509	3.8135143	6542	3.8157105	6575	3.8178958
6510	3.8135810	6543	3.8157769	6576	3.8179618
6511	3.8136477	6544	3.8158433	6577	3.8180278
6512	3.8137144	6545	3.8159096	6578	3.8180939
6513	3.8137811	6546	3 8159760	6579	3.8181599
6514	3.8138478	6547	3.8160423	6580	3.8182259
6515	3.8139144	6548	3.8161087	6581	3.8182919
6516	3.8139811	6549	3.8161750	6582	3.8183579
6517	3.8140477	6550	3.8162413	6583	3.8184239
6518	3.8141144	6551	3.8163076	6584	3.8184898
6519	3.8141810	6552	3.8163739	6585	3.8185558
6520	3.8142476	6553	3.8164402	6586	3.8186217
6521	3.8143142	6554	3.8165064	6587	3.8186877
6522	3.8143808	6555	3.8165727	6588	3.8187536
6523	3.8144474	6556	3.8166389	6589	3.8188195
6524	3.8145140	6557	3.8167052	6590	3.8188854
6525	3.8145805	6558	3.8167714	6591	3.8189513
6526	3.8146471	6559	3.8168376	6592	3.8190172
6527	3.8147136	6560	3.8169038	6593	3.8190831
6528	3.8147801	6561	3.8169700	6594	3.8191489
6529	3.8148467	6562	3.8170362	6595	3.8192148
6530	3.8149132	6563	3.8171024	6596	3.8192806
6531	3.8149797	6564	3.8171686	6597	3.8193465
6532	3.8150462	6565	3.8172347	6598	3.8194123
6533	3.8151127	6566	3.8173009	6599	3.8194781
6534	3.8151791	6567	3.8173670	6600	3.8195439

N.	Logarith.	N	Logarith.	N.	Logarith.
6601	3.8196097	6634	3.8217755	6667	3.8239305
6602	3.8196755	6635	3.8218409	6668	3.8239956
6603	3.8197413	6636	3.8219064	6669	3.8240606
6604	3.8198071	6637	3.8219718	6670	3.8241258
6605	3.8198728	6638	3.8220372	6671	3.8241909
6606	3.8199386	6639	3.8221027	6672	3.8242560
6607	3.8200043	6640	3.8221681	6673	3.8243211
6608	3.8200700	6641	3.8222335	6674	3.8243862
6609	3.8201358	6642	3.8222989	6675	3.8244513
6610	3.8202015	6643	3.8223643	6676	3.8245163
6611	3.8202672	6644	3.8224296	6677	3.8245814
6612	3.8203328	6645	3.8224950	6678	3.8246464
6613	3.8203985	6646	3.8225603	6679	3.8247114
6614	3.8204642	6647	3.8226257	6680	3.8247765
6615	3.8205298	6648	3.8226910	6681	3.8248415
6616	3.8205955	6649	3.8227563	6682	3.8249065
6617	3.8206611	6650	3.8228216	6683	3.8249715
6618	3.8207268	6651	3.8228869	6684	3.8250364
6619	3.8207924	6652	3.8229522	6685	3.8251014
6620	3.8208580	6653	3.8230175	6686	3.8251664
6621	3.8209236	6654	3.8230828	6687	3.8252313
6622	3.8209892	6655	3.8231481	6688	3.8252963
6623	3.8210548	6656	3.8232133	6689	3.8253612
6624	3.8211203	6657	3.8232786	6690	3.8254261
6625	3.8211859	6658	3.8233438	6691	3.8254910
6626	3.8212514	6659	3.8234090	6692	3.8255559
6627	3.8213170	6660	3.8234742	6693	3.8256208
6628	3.8213825	6661	3.8235394	6694	3.8256857
6629	3.8214480	6662	3.8236046	6695	3.8257506
6630	3.8215135	6663	3.8236698	6696	3.8258154
6631	3.8215790	6664	3.8237350	6697	3.8258803
6632	3.8216445	6665	3.8238002	6698	3.8259451
6633	3.8217100	6666	3.8238653	6699	3.8260100
6634	3.8217755	6667	3.8239305	6700	3.8260748

N.	Logarith.	N.	Logarith.	N.	Logarith.
6701	3.8261396	6734	3.8282731	6767	3.8303962
6702	3.8262044	6735	3.8283376	6768	3.8304603
6703	3.8262692	6736	3.8284021	6769	3.8305245
6704	3.8263340	6737	3.8284665	6770	3.8305887
6705	3.8263988	6738	3.8285310	6771	3.8306528
6706	3.8264635	6739	3.8285955	6772	3.8307169
6707	3.8265283	6740	3.8286599	6773	3.8307811
6708	3.8265931	6741	3.8287243	6774	3.8308452
6709	3.8266578	6742	3.8287887	6775	3.8309093
6710	3.8267225	6743	3.8288532	6776	3.8309734
6711	3.8267872	6744	3.8289176	6777	3.8310375
6712	3.8268519	6745	3.8289820	6778	3.8311016
6713	3.8269166	6746	3.8290463	6779	3.8311656
6714	3.8269813	6747	3.8291107	6780	3.8312297
6715	3.8270460	6748	3.8291751	6781	3.8312937
6716	3.8271107	6749	3.8292394	6782	3.8313578
6717	3.8271753	6750	3.8293038	6783	3.8314218
6718	3.8272400	6751	3.8293681	6784	3.8314858
6719	3.8273046	6752	3.8294324	6785	3.8315499
6720	3.8273693	6753	3.8294967	6786	3.8316139
6721	3.8274339	6754	3.8295611	6787	3.8316778
6722	3.8274985	6755	3.8296254	6788	3.8317418
6723	3.8275631	6756	3.8296896	6789	3.8318058
6724	3.8276277	6757	3.8297539	6790	3.8318698
6725	3.8276923	6758	3.8298182	6791	3.8319337
6726	3.8277569	6759	3.8298824	6792	3.8319977
6727	3.8278214	6760	3.8299467	6793	3.8320616
6728	3.8278860	6761	3.8300109	6794	3.8321255
6729	3.8279505	6762	3.8300752	6795	3.8321895
6730	3.8280151	6763	3.8301394	6796	3.8322534
6731	3.8280796	6764	3.8302036	6797	3.8323173
6732	3.8281441	6765	3.8302678	6798	3.8323812
6733	3.8282086	6766	3.8303320	6799	3.8324450
6734	3.8282731	6767	3.8303962	6800	3.8325089

N.	Logarith.	N.	Logarith.	N.	Logarith.
6801	3.8325728	6834	3.8346750	6867	3.8367670
6802	3.8326366	6835	3.8347385	6868	3.8368303
6803	3.8327005	6836	3.8348021	6869	3.8368935
6804	3.8327643	6837	3.8348656	6870	3.8368567
6805	3.8328281	6838	3.8349291	6871	8.8370199
6806	3.8328919	6839	3.8349926	6872	3.8370832
6807	3.8329558	6840	3.8350561	6873	3.8371463
6808	3.8330195	6841	3.8351196	6874	3.8372095
6809	3.8330833	6842	3.8351831	6875	3.8372727
6810	3.8331471	6843	3.8352465	6876	3.8373359
6811	3.8332109	6844	3.8353100	6877	3.8373990
6812	3.8332746	6845	3.8353735	6878	3.8374622
6813	3.8333384	6846	3.8354369	6879	3.8375253
6814	3.8334021	6847	3.8355003	6880	3.8375884
6815	3.8334659	6848	3.8355638	6881	3.8376516
6816	3.8335296	6849	3.8356272	6882	3.8377147
6817	3.8335933	6850	3.8356906	6883	3.8377778
6818	3.8336570	6851	3.8357540	6884	3.8378409
6819	3.8337207	6852	3.8358174	6885	3.8379039
6820	3.8337844	6853	3.8358807	6886	3.8379670
6821	3.8338480	6854	3.8359441	6887	3.8380301
6822	3.8339117	6855	3.8360075	6888	3.8380931
6823	3.8339754	6856	3.8360708	6889	3.8381562
6824	3.8340390	6857	3.8361341	6890	3.8382192
6825	3.8341027	6858	3.8361975	6891	3.8382822
6826	3.8341663	6859	3.8362608	6892	3.8383453
6827	3.8342299	6860	3.8363241	6893	3.8384083
6828	3.8342935	6861	3.8363874	6894	3.8384713
6829	3.8343571	6862	3.8364507	6895	3.8385343
6830	3.8344207	6863	3.8365140	6896	3.8385973
6831	3.8344843	6864	3.8365773	6897	3.8386602
6832	3.8345479	6865	3.8366405	6898	3.8387232
6833	3.8346114	6866	3.8367038	6899	3.8387861
6834	3.8346750	6867	3.8367670	6900	3.8388491

N.	Logarith.	N.	Logarith.	N.	Logarith
6901	3.8389120	6934	3.8409838	6967	3.8430458
6902	3.8389750	6935	3.8410465	6968	3.8431081
6903	3.8390379	6936	3.8411091	6969	3.8431705
6904	3.8391008	6937	3.8411717	6970	3.8432328
6905	3.8391637	6938	3.8412343	6971	3.8432951
6906	3.8392266	6939	3.8412969	6972	3.8433574
6907	3.8392895	6940	3.8413595	6973	3.8434197
6908	3.8393523	6941	3.8414220	6974	3.8434819
6909	3.8394152	6942	3.8414846	6975	3.8435442
6910	3.8394780	6943	3.8515472	6976	3.8436065
6911	3.8395409	6944	3.8416097	6977	3.8436687
6912	3.8396037	6945	3.8416722	6978	3.8437310
6913	3.8396666	6946	3.8417348	6979	3.8437932
6914	3.8397294	6947	3.8417973	6980	3.8438554
6915	3.8397922	6948	3.8418598	6981	3.8439176
6916	3.8398550	6949	3.8419223	6982	3.8439798
6917	3.8399178	6950	3.8419848	6983	3.8440420
6918	3.8399806	6951	3.8420473	6984	3.8441042
6919	3.8400433	6952	3.8421098	6985	3.8441664
6920	3.8401061	6953	3.8421722	6986	3.8442286
6921	3.8401688	6954	3.8422347	6987	3.8442907
6922	3.8402316	6955	3.8422971	6988	3.8443529
6923	3.8402943	6956	3.8423596	6989	3.8444150
6924	3.8403571	6957	3.8424220	6990	3.8444772
6925	3.8404198	6958	3.8424844	6991	3.8445393
6926	3.8404825	6959	3.8425468	6992	3.8446014
6927	3.8405452	6960	3.8426092	6993	3.8446635
6928	3.8406079	6961	3.8426716	6994	3.8447256
6929	3.8406706	6962	3.8427340	6995	3.8447877
6930	3.8407332	6963	3.8427964	6996	3.8448498
6931	3.8407959	6964	3.8428588	6997	3.8449119
6932	3.8408586	6965	3.8429212	6998	3.8449739
6933	3.8409212	6966	3.8429835	6999	3.8450360
6934	3.8409838	6967	3.8430458	7000	3.8450980

N.	Logarith.	N.	Logarith.	N.	Logarith.
7001	3.8451601	7034	3.8472024	7067	3.8492351
7002	3.8452221	7035	3.8472641	7068	3.8492965
7003	3.8452841	7036	3.8473258	7069	3.8493580
7004	3.8453461	7037	3.8473876	7070	3.8494194
7005	3.8454081	7038	3.8474493	7071	3.8494808
7006	3.8454701	7039	3.8475110	7072	3.8495423
7007	3.8455321	7040	3.8475727	7073	3.8496037
7008	3.8455941	7041	3.8476343	7074	3.8496651
7009	3.8456561	7042	3.8476960	7075	3.8497264
7010	3.8457180	7043	3.8477577	7076	3.8497878
7011	3.8457800	7044	3.8478193	7077	3.8498492
7012	3.8458419	7045	3.8478810	7078	3.8499106
7013	3.8459038	7046	3.8479426	7079	3.8499719
7014	3.8459658	7047	3.8480043	7080	3.8500333
7015	3.8460277	7048	3.8480659	7081	3.8500946
7016	3.8460896	7049	3.8481275	7082	3.8501559
7017	3.8461515	7050	3.8481891	7083	3.8502172
7018	3.8462134	7051	3.8482507	7084	3.8502786
7019	3.8462752	7052	3.8483123	7085	3.8503399
7020	3.8463371	7053	3.8483739	7086	3.8504011
7021	3.8463990	7054	3.8484355	7087	3.8504624
7022	3.8464608	7055	3.8484970	7088	3.8505237
7023	3.8465227	7056	3.8485586	7089	3.8505850
7024	3.8465845	7057	3.8486201	7090	3.8506462
7025	3.8466463	7058	3.8486817	7091	3.8507075
7026	3.8467081	7059	3.8487432	7092	3.8507687
7027	3.8467700	7060	3.8488047	7093	3.8508300
7028	3.8468318	7061	3.8488662	7094	3.8508912
7029	3.8468935	7062	3.8489277	7095	3.8509524
7030	3.8469553	7063	3.8489892	7096	3.8510136
7031	3.8470171	7064	3.8490507	7097	3.8510748
7032	3.8470759	7065	3.8491122	7098	3.8511360
7033	3.8471406	7066	3.8491736	7099	3.8511972
7034	3.8472024	7067	3.8492351	7100	3.8512583

N.	Logarith.	N.	Logarith.	N.	Logarith.
7101	3.8513195	7134	3.8533331	7167	3.8553374
7102	3.8513807	7135	3.8533940	7168	3.8553980
7103	3.8514418	7136	3.8534548	7169	3.8554586
7104	3.8515030	7137	3.8535157	7170	3.8555192
7105	3.8515641	7138	3.8535765	7171	3.8555797
7106	3.8516252	7139	3.8536374	7172	3.8556403
7107	3.8516863	7140	3 8536982	7173	3.8557008
7108	3 8517474	7141	3.8537590	7174	3.8557614
7109	3.8518085	7142	3.8538198	7175	3.8558219
7110	3.8518696	7143	3.8538806	7176	3.8558824
7111	3.8519307	7144	3.8539414	7177	3.8559429
7112	3.8519917	7145	3.8540022	7178	3.8560035
7113	3.8520528	7146	3 8540630	7179	3.8560640
7114	3.8521139	7147	3.8541238	7180	3.8561244
7115	3.8521749	7148	3.8541845	7181	3.8561849
7116	3.8522359	7149	3.8542453	7182	3.8562454
7117	3.8522970	7150	3.8543060	7183	3.8563059
7118	3.8523580	7151	3.8543668	7184	3.8563663
7119	3.8524190	7152	3.8544275	7185	3.8564268
7120	3.8524800	7153	3.8544882	7186	3.8564872
7121	3.8525410	7154	3.8545489	7187	3.8565476
7122	3.8526020	7155	3.8546096	7188	3.8566081
7123	3.8526629	7156	3.8546703	7189	3.8566685
7124	3.8527239	7157	3.8547310	7190	3.8567289
7125	3.8527849	7158	3.8547917	7191	3.8567893
7126	3.8528458	7159	3.8548524	7192	3.8568497
7127	3.8529068	7160	3.8549130	7193	3.8569101
7128	3.8529677	7161	3.8549737	7194	3.8569704
7129	3.8530286	7162	3.8550343	7195	3.8570308
7130	3.8530895	7163	3.8550950	7196	3.8570912
7131	3.8531504	7164	3.8551556	7197	3.8571515
7132	3.8532113	7165	3 8552162	7198	3.8572118
7133	3.8532722	7166	3.8552768	7199	3.8572722
7134	3.8533331	7167	3.8553374	7200	3.8573325

N.	Logarith.	N.	Logarith.	N.	Logarith.
7201	3.8573928	7234	3.8593785	7267	3.8613552
7202	3.8574531	7235	3.8594385	7268	3.8614149
7203	3.8575134	7236	3.8594986	7269	3.8614747
7204	3.8575737	7237	3.8595586	7270	3.8615344
7205	3.8576340	7238	3.8596186	7271	3.8615941
7206	3.8576943	7239	3.8596786	7272	3.8616539
7207	3.8577545	7240	3.8597386	7273	3.8617136
7208	3.8578148	7241	3.8597985	7274	3.8617733
7209	3.8578750	7242	3.8598585	7275	3.8618330
7210	3.8579353	7243	3.8599185	7276	3.8618927
7211	3.8579955	7244	3.8599784	7277	3.8619524
7212	3.8580557	7245	3.8600384	7278	3.8620120
7213	3.8581159	7246	3.8600983	7279	3.8620717
7214	3.8581761	7247	3.8601583	7280	3.8621314
7215	3.8582363	7248	3.8602182	7281	3.8621910
7216	3.8582965	7249	3.8602781	7282	3.8622507
7217	3.8583567	7250	3.8603380	7283	3.8623103
7218	3.8584169	7251	3.8603979	7284	3.8623699
7219	3.8584770	7252	3.8604578	7285	3.8624296
7220	3.8585372	7253	3.8605177	7286	3.8624892
7221	3.8585973	7254	3.8605776	7287	3.8625488
7222	3.8586575	7255	3.8606374	7288	3.8626084
7223	3.8587176	7256	3.8606973	7289	3.8626679
7224	3.8587777	7257	3.8607571	7290	3.8627275
7225	3.8588379	7258	3.8608170	7291	3.8627871
7226	3.8588980	7259	3.8608768	7292	3.8628467
7227	3.8589581	7260	3.8609366	7293	3.8629062
7228	3.8590181	7261	3.8609964	7294	3.8629658
7229	3.8590782	7262	3.8610562	7295	3.8630253
7230	3.8591383	7263	3.8611160	7296	3.8630848
7231	3.8591984	7264	3.8611758	7297	3.8631443
7232	3.8592584	7265	3.8612356	7298	3.8632039
7233	3.8593185	7266	3.8612954	7299	3.8632634
7234	3.8593785	7267	3.8613552	7300	3.8633229

N.	Logarith.	N.	Logarith.	N.	Logarith.
7301	3.8633823	7334	3.8653409	7367	3.8672907
7302	3.8634418	7335	3.8654001	7368	3.8673496
7303	3.8635013	7336	3.8654593	7369	3.8674086
7304	3.8635608	7337	3.8655185	7370	3.8674675
7305	3.8636202	7338	3.8655777	7371	3.8675264
7306	3.8636797	7339	3.8656369	7372	3.8675853
7307	3.8637391	7340	3.8656961	7373	3.8676442
7308	3.8637985	7341	3.8657552	7374	3.8677031
7309	3.8638580	7342	3.8658144	7375	3.8677620
7310	3.8639174	7343	3.8658735	7376	3.8678209
7311	3.8639768	7344	3.8659327	7377	3.8678798
7312	3.8640362	7345	3.8659918	7378	3.8679387
7313	3.8640956	7346	3.8660509	7379	3.8679975
7314	3.8641550	7347	3.8661100	7380	3.8680564
7315	3.8642143	7348	3.8661691	7381	3.8681152
7316	3.8642737	7349	3.8662282	7382	3.8681740
7317	3.8643331	7350	3.8662873	7383	3.8682329
7318	3.8643924	7351	3.8663464	7384	3.8682917
7319	3.8644517	7352	3.8664055	7385	3.8683505
7320	3.8645111	7353	3.8664646	7386	3.8684093
7321	3.8645704	7354	3.8665236	7387	3.8684681
7322	3.8646297	7355	3.8665827	7388	3.8685269
7323	3.8646890	7356	3.8666417	7389	3.8685857
7324	3.8647483	7357	3.8667008	7390	3.8686444
7325	3.8648076	7358	3.8667598	7391	3.8687032
7326	3.8648669	7359	3.8668188	7392	3.8687620
7327	3.8649262	7360	3.8668778	7393	3.8688207
7328	3.8649855	7361	3.8669368	7394	3.8688794
7329	3.8650447	7362	3.8669958	7395	3.8689382
7330	3.8651040	7363	3.8670548	7396	3.8689969
7331	3.8651632	7364	3.8671138	7397	3.8690556
7332	3.8652225	7365	3.8671728	7398	3.8691143
7333	3.8652817	7366	3.8672317	7399	3.8691730
7334	3.8653409	7367	3.8672907	7400	3.8692317

N.	Logarith.	N.	Logarith.	N.	Logarith.
7401	3.8692904	7434	3.8712226	7467	3.8731462
7402	3.8693491	7435	3.8712810	7468	3.8732043
7403	3.8694077	7436	3.8713394	7469	3.8732625
7404	3.8694664	7437	3.8713978	7470	3.8733206
7405	3.8695251	7438	3.8714562	7471	3.8733787
7406	3.8695837	7439	3.8715146	7472	3.8734369
7407	3.8696423	7440	3.8715729	7473	3.8734950
7408	3.8697010	7441	3.8716313	7474	3.8735531
7409	3.8697596	7442	3.8716897	7475	3.8736112
7410	3.8698182	7443	3.8717480	7476	3.8736693
7411	3.8698768	7444	3.8718064	7477	3.8737274
7412	3.8699354	7445	3.8718647	7478	3.8737855
7413	3 8699940	7446	..8719230	7479	3.8738435
7414	3.8700526	7447	3.8719814	7480	3.8739016
7415	3.8701112	7448	3.8720397	7481	3.8739597
7416	3.8701697	7449	3.8720980	7482	3.8740177
7417	3.8702283	7450	3.8721563	7483	3.8740757
7418	3.8702868	7451	3.8722146	7484	3.8341338
7419	3.8703454	7452	3 8722728	7485	3.8741918
7420	3.8704039	7453	3.8723311	7486	3.8742498
7421	3.8704624	7454	3.8723894	7487	3.8743078
7422	3.8705209	7455	3.8724476	7488	3.8743658
7423	3.8705795	7456	3.8725059	7489	3.8744238
7424	3.8706380	7457	3.8725641	7490	3.8744818
7425	3.8706965	7458	3.8726224	7491	3.8745398
7426	3.8707549	7459	3.8726806	7492	3.8745978
7427	3.8708134	7460	3.8727388	7493	3.8746557
7428	3.8708719	7461	3.8727970	7494	3.8747137
7429	3.8709304	7462	3.8728552	7495	3.8747716
7430	3.8709888	7463	3.8729134	7496	3.8746296
7431	3.8710473	7464	3.8729716	7497	3.8748875
7432	3.8711057	7465	3.8730298	7498	3.8749454
7433	3.8711641	7466	3.8730880	7499	3.8750034
7434	3.8712226	7467	3.8731462	7500	3.8750613

N.	Logarith.	N.	Logarith.	N.	Logarith.
7501	3.8751192	7534	3.8770256	7567	3.8789237
7502	3.8751771	7535	3.8770833	7568	3.8789811
7503	3.8752349	7536	3.8771409	7569	3.8790385
7504	3.8752928	7537	3.8771985	7570	3.8790959
7505	3.8753507	7538	3.8772561	7571	3.8791532
7506	3.8754086	7539	3.8773137	7572	3.8792106
7507	3.8754664	7540	3.8773713	7573	3.8792680
7508	3.8755243	7541	3.8774289	7574	3.8793253
7509	3.8755821	7542	3.8774865	7575	3.8793826
7510	3.8756399	7543	3.8775441	7576	3.8794400
7511	3.8756978	7544	3.8776017	7577	3.8794973
7512	3.8757556	7545	3.8776592	7578	3.8795546
7513	3.8758134	7546	3.8777168	7579	3.8796119
7514	3.8758712	7547	3.8777743	7580	3.8796692
7515	3.8759290	7548	3.8778319	7581	3.8797265
7516	3.8759868	7549	3.8778894	7582	3.8797838
7517	3.8760445	7550	3.8779469	7583	3.8798411
7518	3.8761023	7551	3.8780045	7584	3.8798983
7519	3.8761601	7552	3.8780620	7585	3.8799556
7520	3.8762178	7553	3.8781195	7586	3.8800128
7521	3.8762756	7554	3.8781770	7587	3.8800701
7522	3.8763333	7555	3.8782345	7588	3.8801273
7523	3.8763911	7556	3.8782919	7589	3.8801846
7524	3.8764488	7557	3.8783494	7590	3.8802418
7525	3.8765065	7558	3.8784069	7591	3.8802990
7526	3.8765642	7559	3.8784643	7592	3.8803562
7527	3.8766219	7560	3.8785218	7593	3.8804134
7528	3.8766796	7561	3.8785792	7594	3.8804706
7529	3.8767373	7562	3.8786367	7595	3.8805278
7530	3.8767950	7563	3.8786941	7596	3.8805850
7531	3.8768526	7564	3.8787515	7597	3.8806421
7532	3.8769103	7565	3.8788089	7598	3.8806993
7533	3.8769680	7566	3.8788663	7599	3.8807564
7534	3.8770256	7567	3.8789237	7600	3.8808136

N.	Logarith.	N.	Logarith.	N.	Logarith.
7601	3.8808707	7634	3.8827522	7667	3.8846255
7602	3.8809279	7635	3.8828090	7668	3.8846821
7603	3.8809850	7636	3.8828659	7669	3.8847387
7604	3.8810421	7637	3.8829228	7670	3.8847954
7605	3.8810992	7638	3.8829797	7671	3.8848520
7606	3.8811563	7639	3.8830365	7672	3.8849086
7607	3.8812134	7640	3.8830934	7673	3.8849652
7608	3.8812705	7641	3.8831502	7674	3.8850218
7609	3.8813276	7642	3.8832070	7675	3.8850784
7610	3.8813847	7643	3.8832639	7676	3.8851350
7611	3.8814417	7644	3.8833207	7677	3.8851915
7612	3.8814988	7645	3.8833775	7678	3.8852481
7613	3.8815558	7646	3.8834343	7679	3.8853047
7614	3.8816129	7647	3.8834911	7680	3.8853612
7615	3.8816699	7648	3.8835479	7681	3.8854178
7616	3.8817269	7649	3.8836047	7682	3.8854743
7617	3.8817840	7650	3.8836614	7683	3.8855308
7618	3.8818410	7651	3.8837182	7684	3.8855874
7619	3.8818980	7652	3.8837750	7685	3.8856439
7620	3.8819550	7653	3.8838317	7686	3.8857004
7621	3.8820120	7654	3.8838885	7687	3.8857569
7622	3.8820689	7655	3.8839452	7688	3.8858134
7623	3.8821259	7656	3.8840019	7689	3.8858699
7624	3.8821829	7657	3.8840586	7690	3.8859263
7625	3.8822398	7658	3.8841154	7691	3.8859828
7626	3.8822968	7659	3.8841721	7692	3.8860393
7627	3.8823537	7660	3.8842288	7693	3.8860957
7628	3.8824107	7661	3.8842855	7694	3.8861522
7629	3.8824676	7662	3.8843421	7695	3.8862086
7630	3.8825245	7663	3.8843988	7696	3.8862651
7631	3.8825815	7664	3.8844555	7697	3.8863215
7632	3.8826384	7665	3.8845122	7698	3.8863779
7633	3.8826953	7666	3.8845688	7699	3.8864343
7634	3.8827522	7667	3.8846255	7700	3.8864907

N.	Logarith.	N.	Logarith.	N.	Logarith.
7701	3.8865471	7734	3.8884042	7767	3.8902533
7702	3.8866035	7735	3.8884603	7768	3.8903092
7703	3.8866599	7736	3.8885165	7769	3.8903651
7704	3.8867163	7737	3.8885726	7770	3.8904210
7705	3.8867726	7738	3.8886287	7771	3.8904769
7706	3.8868290	7739	3.8886848	7772	3.8905328
7707	3.8868854	7740	3.8887410	7773	3.8905887
7708	3.8869417	7741	3.8887971	7774	3.8906445
7709	3.8869980	7742	3.8888532	7775	3.8907004
7710	3.8870544	7743	3.8889093	7776	3.8907563
7711	3.8871107	7744	3.8889653	7777	3.8908121
7712	3.8871670	7745	3.8890214	7778	3.8908679
7713	3.8872233	7746	3.8890775	7779	3.8909238
7714	3.8872796	7747	3.8891336	7780	3.8909796
7715	3.8873359	7748	3.8891896	7781	3.8910354
7716	3.8873922	7749	3.8892457	7782	3.8910912
7717	3.8874485	7750	3.8893017	7783	3.8911470
7718	3.8875048	7751	3.8893577	7784	3.8912028
7719	3.8875610	7752	3.8894138	7785	3.8912586
7720	3.8876173	7753	3.8894698	7786	3.8913144
7721	3.8876736	7754	3.8895258	7787	3.8913702
7722	3.8877298	7755	3.8895818	7788	3.8914259
7723	3.8877860	7756	3.8896378	7789	3.8914817
7724	3.8878423	7757	3.8896938	7790	3.8915375
7725	3.8878985	7758	3.8897498	7791	3.8915932
7726	3.8879547	7759	3.8898058	7792	3.8916489
7727	3.8880109	7760	3.8898617	7793	3.8917047
7728	3.8880671	7761	3.8899177	7794	3.8917604
7729	3.8881233	7762	3.8899736	7795	3.8918161
7730	3.8881795	7763	3.8900296	7796	3.8018718
7731	3.8882357	7764	3.8900855	7797	3.8919275
7732	3.8882918	7765	3.8901415	7798	3.8719832
7733	3.8883480	7766	3.8901974	7799	3.8720389
7734	3.8884042	7767	3.8902533	7800	3.8720946

N.	Logarith.	N.	Logarith.	N.	Logarith.
7801	3.8921503	7834	3.8939836	7867	3.8958092
7802	3.8922059	7835	3.8940390	7868	3.8958644
7803	3.8922616	7836	3.8940944	7869	3.8959195
7804	3.8923173	7837	3.8941498	7870	3.8959747
7805	3.8923729	7838	3.8942053	7871	3.8960299
7806	3.8924285	7839	3.8942607	7872	3.8960851
7807	3.8924842	7840	3.8943161	7873	3.8961403
7808	3.8925398	7841	3.8943715	7874	3.8961954
7809	3.8925954	7842	3.8944268	7875	3.8962506
7810	3.8926510	7843	3.8944822	7876	3.8963057
7811	3.8927066	7844	3.8945376	7877	3.8963608
7812	3.8927622	7845	3.8945929	7878	3.8964160
7813	3.8928178	7846	3.8946483	7879	3.8964711
7814	3.8928734	7847	3.8947037	7880	3.8965262
7815	3.8929290	7848	3.8947590	7881	3.8965813
7816	3.8929846	7849	3.8948143	7882	3.8966364
7817	3.8930401	7850	3.8948697	7883	3.8966915
7818	3.8930957	7851	3.8949250	7884	3.8967466
7819	3.8931512	7852	3.8949803	7885	3.8968017
7820	3.8932068	7853	3.8950356	7886	3.8968568
7821	3.8932623	7854	3.8950909	7887	3.8969118
7822	3.8933178	7855	3.8951462	7888	3.8969669
7823	3.8933733	7856	3.8952015	7889	3.8970220
7824	3.8934288	7857	3.8952568	7890	3.8970770
7825	3.8934843	7858	3.8953120	7891	3.8971320
7826	3.8935398	7859	3.8953673	7892	3.8971871
7827	3.8935953	7860	3.8954225	7893	3.8972421
7828	3.8936508	7861	3.8954778	7894	3.8972971
7829	3.8937063	7862	3.8955330	7895	3.8973521
7830	3.8937618	7863	3.8955883	7896	3.8974071
7831	3.8938172	7864	3.8956435	7897	3.8974621
7832	3.8938727	7865	3.8956987	7898	3.8975171
7833	3.8939281	7866	3.8957539	7899	3.8975721
7834	3.8939836	7867	3.8958092	7900	3.8976271

N.	Logarith.	N.	Logarith.	N.	Logarith.
7901	3.8976821	7934	3.8994922	7967	3.9012948
7902	8.8977370	7935	3.8995469	7958	3.9013493
7903	3.8977920	7936	3.8996017	7969	3.9014038
7904	3.8978469	7937	3.8996564	7970	3.9014583
7905	3.8979019	7938	3.8997111	7971	3.9015128
7906	3.8979568	7939	3.8997658	7972	3.9015673
7907	3.8980117	7940	3.8998205	7973	3.9016218
7908	3.8980667	7941	3.8998752	7974	3.9016762
7909	3.8981216	7942	3,8999299	7975	3.9017307
7910	3.8981765	7943	3.8999846	7976	3.9017851
7911	3.8982314	7944	3.9000392	7977	3.9018396
7912	3.8982863	7945	3.9000939	7978	3.9018940
7913	3.8983412	7946	3.9001486	7979	3.9019485
7914	3.8983960	7947	3.9002032	7980	3.9020029
7915	3.8984509	7948	3.9002579	7981	3.9020573
7916	3.8985058	7949	3.9003125	7982	3.9021117
7917	3.8985606	7950	3.9003671	7983	3.9021661
7918	3.8986155	7951	3.9004218	7984	3.9022205
7919	3.8986703	7952	3.9004764	7985	3.9022749
7920	3.8987252	7953	3.9005310	7986	3.9023293
7921	3.8987800	7954	3.9005856	7987	3.9023837
7922	3.8988348	7955	3.9006402	7988	3.9024381
7923	3.8988897	7956	3.9006948	7989	3.9024924
7924	3.8989445	7957	3.9007494	7990	3.9025468
7925	3.8989993	7958	3.9008039	7991	3.6026011
7926	3.8990541	7959	3.9008585	7992	3.9026555
7927	3.8991089	7960	3.9009131	7993	3.9027098
7928	3.8991636	7961	3.9009676	7994	3.9027641
7929	3.8992184	7962	3.9010222	7995	3.9028185
7930	3.8992732	7963	3.9010767	7996	3.9028728
7931	3.8993279	7964	3.9011313	7997	3.9029271
7932	3.8993827	7965	3.9011858	7998	3.9029814
7933	3.8994375	7966	3.9012403	7999	3.9030357
7934	3.8994922	7967	3.9012948	8000	3.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.
8001	3.9031443	8034	3.9049318	8067	3.9067121
8002	3.9031985	8035	3.9049859	8068	3.9067659
8003	3.9032528	8036	3.9050399	8069	3.9068197
8004	3.9033071	8037	3.9050940	8070	3.9068735
8005	3.9033613	8038	3.9051480	8071	3.9069273
8006	3.9034156	8039	3.9052020	8072	3.9069812
8007	3.9034698	8040	3.9052560	8073	3.9070350
8008	3.9035241	8041	3.9053101	8074	3.9070887
8009	3.9035783	8042	3.9053641	8075	3.9071425
8010	3.9036325	8043	3.9054181	8076	3.9071963
8011	3.9036867	8044	3.9054721	8077	3.9072501
8012	3.9037409	8045	3.9055260	8078	3.9073038
8013	3.9037951	8046	3.9055800	8079	3.9073576
8014	3.9038493	8047	3.9056340	8080	3.9074114
8015	3.9039035	8048	3.9056880	8081	3.9074651
8016	3.9039577	8049	3.9057419	8082	3.9075188
8017	3.9040119	8050	3.9057959	8083	3.9075726
8018	3.9040661	8051	3.9058498	8084	3.9076263
8019	3.9041202	8052	3.9059038	8085	3.9076800
8020	3.9041744	8053	3.9059577	8086	3.9077337
8021	3.9042285	8054	3.9060116	8087	3.9077874
8022	3.9042827	8055	3.9060655	8088	3.9078411
8023	3.9043368	8056	3.9061195	8089	3.9078948
8024	3.9043909	8057	3.9061734	8090	3.9079485
8025	3.9044450	8058	3.9062273	8091	3.9080022
8026	3.9044992	8059	3.9062812	8092	3.9080559
8027	3.9045533	8060	3.9063350	8093	3.9081095
8028	3.9046074	8061	3.9063889	8094	3.9081635
8029	3.9046615	8062	3.9064428	8095	3.9082169
8030	3.9047155	8063	3.9064967	8096	3.9082705
8031	3.9047696	8064	3.9065505	8097	3.9083241
8032	3.9048237	8065	3.9066044	8098	3.9083778
8033	3.9048778	8066	3.9066582	8099	3.9084314
8034	3.9049318	8067	3.9067121	8100	3.9084850

N.	Logarith.	N.	Logarith.	N.	Logarith.
8101	3.9085386	8134	3.9103042	8167	3.9120626
8102	3.9085922	8135	3.9103576	8168	3.9121157
8103	3.9086458	8136	3.9104109	8169	3.9121689
8104	3.9086994	8137	3.9104643	8170	3.9122221
8105	3.9087530	8138	3.9105177	8171	3.9122752
8106	3.9088066	8139	3.9105710	8172	3.9123234
8107	3.9088602	8140	3.9106244	8173	3.9123815
8108	3.9089137	8141	3.9106778	8174	3.9124346
8109	3.9089673	8142	3.9107311	8175	3.9124874
8110	3.9090209	8143	3.9107844	8176	3.9125409
8111	3.9090744	8144	3.9108378	8177	3.9125940
8112	3.9091279	8145	3.9108911	8178	3.9126471
8113	3.9091815	8146	3.9109444	8179	3.9127002
8114	3.9092350	8147	3.9109977	8180	3.9127533
8115	3.9092885	8148	3.9110510	8181	3.9128064
8116	3.9093420	8149	3.9111043	8182	3.9128595
8117	3.9093955	8150	3.9111576	8183	3.9129126
8118	3.9094490	8151	3.9112109	8184	3.9129656
8119	3.9095025	8152	3.9112642	8185	3.9130187
8120	3.9095560	8153	3.9113174	8186	3.9130717
8121	3.9096095	8154	3.9113707	8187	3.9131248
8122	3.9096630	8155	3.9114240	8188	3.9131778
8123	3.9097165	8156	3.9114772	8189	3.9132309
8124	3.9097699	8157	3.9115305	8190	3.9132839
8125	3.9098234	8158	3.9115837	8191	3.9133369
8126	3.9098768	8159	3.9116369	8192	3.9133899
8127	3.9099303	8160	3.9116902	8193	3.9134430
8128	3.9099837	8161	3.9117434	8194	3.9134960
8129	3.9100371	8162	3.9117966	8195	3.9135490
8130	3.9100905	8163	3.9118498	8196	3.9136019
8131	3.9101440	8164	3.9119030	8197	3.9136549
8132	3.9101974	8165	3.9119562	8198	3.9137079
8133	3.9102508	8166	3.9120094	8199	3.9137609
8134	3.9103042	8167	3.9120626	8200	3.9138139

N.	Logarith.	N.	Logarith.	N.	Logarith.
8201	3.9138668	8234	3.9156109	8267	3.9173479
8202	3.9139198	8235	3.9156636	8268	3.9174005
8203	3.9139727	8236	3.9157163	8269	3.9174530
8204	3.9140257	8237	3.9157691	8270	3.9175055
8205	3.9140786	8238	3.9158218	8271	3.9175580
8206	3.9141315	8239	3.9158745	8272	3.9176105
8207	3.9141844	8240	3.9159272	8273	3.9176630
8208	3.9142373	8241	3.9159799	8274	3.9177155
8209	3.9142903	8242	3.9160326	8275	3.9177680
8210	3.9143432	8243	3.9160853	8276	3.9178205
8211	3.9143961	8244	3.9161380	8277	3.9178730
8212	3.9144489	8245	3.9161907	8278	3.9179254
8213	3.9145018	8246	3.9162433	8279	3.9179779
8214	3.9145547	8247	3.9162960	8280	3.9180303
8215	3.9146076	8248	3.9163487	8281	3.9180828
8216	3.9146604	8249	3.9164013	8282	3.9181352
8217	3.9147133	8250	3.9164539	8283	3.9181877
8218	3.9147661	8251	3.9165066	8284	3.9182401
8219	3.9148190	8252	3.9165592	8285	3.9182825
8220	3.9148718	8253	3.9166118	8286	3.9183449
8221	3.9149246	8254	3.9166645	8287	3.9183973
8222	3.9149775	8255	3.9167171	8288	3.9184497
8223	3.9150303	8256	3.9167697	8289	3.9185021
8224	3.9150831	8257	3.9168223	8290	3.9185545
8225	3.9151359	8258	3.9168749	8291	3.9186069
8226	3.9151887	8259	3.9169275	8292	3.9186593
8227	3.9152415	8260	3.9169800	8293	3.9187117
8228	3.9152943	8261	3.9170326	8294	3.9187640
8229	3.9153471	8262	3.9170852	8295	3.9188164
8230	3.9153998	8263	3.9171378	8296	3.9188687
8231	3.9154526	8264	3.9171903	8297	3.9189211
8232	3.9155054	8265	3.9172429	8298	3.9189734
8233	3.9155581	8266	3.9172954	8299	3.9190258
8234	3.9156109	8267	3.9173479	8300	3.9190781

N.	Logarith.	N.	Logarith.	N.	Logarith.
8301	3.9191304	8334	3.9208535	8367	3.9225698
8302	3.9191827	8335	3.9209056	8368	3.9226217
8303	3.9192350	8336	3.9209577	8369	3.9226736
8304	3.9192873	8337	3.9210098	8370	3.9227255
8305	3.9193396	8338	3.9210619	8371	3.9227773
8306	3.9193919	8339	3.9211140	8372	3.9228292
8307	3.9194442	8340	3.9211661	8373	3.9228811
8308	3.9194965	8341	3.9212181	8374	3.9229939
8309	3.9195488	8342	3.9212702	8375	3.9229848
8310	3.9196010	8343	3.9213222	8376	3.8230367
8311	3.9196533	8344	3.9213743	8377	3.9230885
8312	3.9197055	8345	3.9214263	8378	3.9231404
8313	3.9197578	8346	3.9214784	8379	3.9231922
8314	3.9198100	8347	3.9215304	8380	3.9232440
8315	3.9198623	8348	3.9215824	8381	3.9232958
8316	3.9199145	8349	3.9216345	8382	3.9233477
8317	3.9199667	8350	3.9216865	8383	3.9233995
8318	3.9200189	8351	3.9217385	8384	3.9234513
8319	3.9200711	8352	3.9217905	8385	3.9235031
8320	3.9201233	8353	3.9218425	8386	3.9235549
8321	3.9201755	8354	3.9218945	8387	3.9236066
8322	3.9202277	8355	3.9219465	8388	3.9236584
8323	3.9202799	8356	3.9219985	8389	3.9237102
8324	3.9203321	8357	3.9220504	8390	3.9237620
8325	3.9203842	8358	3.9221024	8391	3.9238137
8326	3.9204364	8359	3.9221543	8392	3.9238655
8327	3.9204886	8360	3.9222063	8393	3.9239172
8328	3.9205407	8361	3.9222582	8394	3.9239690
8329	3.9205929	8362	3.9223102	8395	3.9240207
8330	3.9206450	8363	3.9223621	8396	3.9240724
8331	3.9206971	8364	3.9224140	8397	3.9241242
8332	3.9207493	8365	3.9224659	8398	3.9241759
8333	3.9208014	8366	3.9225179	8399	3.9242276
8334	3.9208535	8367	3.9225698	8400	3.9242793

N.	Logarith.	N.	Logarith.	N.	Logarith.
8401	3.9243310	8434	3.9260336	8467	3.9277296
8402	3.9243827	8435	3.9260851	8468	3.9277808
8403	3.9244344	8436	3.9261366	8469	3.9278321
8404	3.9244860	8437	3.9261880	8470	3.9278834
8405	3.9245377	8438	3.9262395	8471	3.9279347
8406	3.9245894	8439	3.9262910	8472	3.9279859
8407	3.9246410	8440	3.9263424	8473	3.9280372
8408	3.9246927	8441	3.9263939	8474	3.9280885
8409	3.9247444	8442	3.9264453	8475	3.9281397
8410	3.9247960	8443	3.9264968	8476	3.9281909
8411	3.9248476	8444	3.9265482	8477	3.9282422
8412	3.9248993	8445	3.9265997	8478	3.9282934
8413	3.9249509	8446	3.9266511	8479	3.9283446
8414	3.9250025	8447	3.9267025	8480	3.9283959
8415	3.9250541	8448	3.9267539	8481	3.9284471
8416	3.9251057	8449	3.9268053	8482	3.9284983
8417	3.9251573	8450	3.9268567	8483	3.9285495
8418	3.9252089	8451	3.9269081	8484	3.9286007
8419	3.9252605	8452	3.9269595	8485	3.9286518
8420	3.9253121	8453	3.9270109	8486	3.9287030
8421	3.9253637	8454	3.9270622	8487	3.9287542
8422	3.9254152	8455	3.9271136	8488	3.9288054
8423	3.9254668	8456	3.9271650	8489	3.9288565
8424	3.9255184	8457	3.9272163	8490	3.9289077
8425	3.9255699	8458	3.9272677	8491	3.9289588
8426	3.9256215	8459	3.9273190	8492	3.9290100
8427	3.9256730	8460	3.9273704	8493	3.9290611
8428	3.9257245	8461	3.9274217	8494	3.9291123
8429	3.9257761	8462	3.9274730	8495	3.9291634
8430	3.9258276	8463	3.9275243	8496	3.9292145
8431	3.9258791	8464	3.9275753	8497	3.9292656
8432	3.9259306	8465	3.9276270	8498	3.9293167
8433	3.9259821	8466	3.9276783	8499	3.9293678
8434	3.9260336	8467	3.9277296	8500	3.9294189

N.	Logarith.	N.	Logarith.	N.	Logarith.
8501	3.9294700	8534	3.9311526	8567	3.9328288
8502	3.9295211	8535	3.9312035	8568	3.9328795
8503	3.9295722	8536	3.9312544	8569	3.9329301
8504	3.9296233	8537	3.9313053	8570	3.9329808
8505	3.9296743	8538	3.9313561	8571	3.9330315
8506	3.9297254	8539	3.9314070	8572	3.9330822
8507	3.9297764	8540	3.9314579	8573	3.9331328
8508	3.9298275	8541	3.9315087	8574	3.9331835
8509	3.9298785	8542	3.9315596	8575	3.9332341
8510	3.9299296	8543	3.9316104	8576	3.9332848
8511	3.9299806	8544	3.9316612	8577	3.9333354
8512	3.9300316	8545	3.9317121	8578	3.9333860
8513	3.9300826	8546	3.9317629	8579	3.9334367
8514	3.9301336	8547	3.9318137	8580	3.9334873
8515	3.9301847	8548	3.9318645	8581	3.9335379
8516	3.9302357	8549	3.9319153	8582	3.9335885
8517	3.9302866	8550	3.9319661	8583	3.9336391
8518	3.9303376	8551	3.9320169	8584	3.9336897
8519	3.9303886	8552	3.9320677	8585	3.9337403
8520	3.9304396	8553	3.9321185	8586	3.9337909
8521	3.9304906	8554	3.9321692	8587	3.9338415
8522	3.9305415	8555	3.9322200	8588	3.9338920
8523	3.9305925	8556	3.9322708	8589	3.9339426
8524	3.9306434	8557	3.9323215	8590	3.9339932
8525	3.9306944	8558	3.9323723	8591	3.9340437
8526	3.9307453	8559	3.9324230	8592	3.9340943
8527	3.9307963	8560	3.9324738	8593	3.9341448
8528	3.9308472	8561	3.9325245	8594	3.9341953
8529	3.9308981	8562	3.9325752	8595	3.9342459
8530	3.9309490	8563	3.9326259	8596	3.9342964
8531	3.9309999	8564	3.9326767	8597	3.9343469
8532	3.9310508	8565	3.9327274	8598	3.9343974
8533	3.9311017	8566	3.9327781	8599	3.9344479
8534	3.9311526	8567	3.9328288	8600	3.9344984

N.	Logarith.	N.	Logarith.	N.	Logarith.
8601	3.9345489	8634	3.9362120	8667	3.9378688
8602	3.9345994	8635	3.9362623	8668	3.9379189
8603	3.9346499	8636	3.9363126	8669	3.9379690
8604	3.9347004	8637	3.9363629	8670	3.9380191
8605	3.9347509	8638	3.9364132	8671	3.9380692
8606	3.9348013	8639	3.9364635	8672	3.9381193
8607	3.9348518	8640	3.9365137	8673	3.9381693
8608	3.9349023	8641	3.9365640	8674	3.9382194
8609	3.9349527	8642	3.9366143	8675	3.9382695
8610	3.9350032	8643	3.9366645	8676	3.9383195
8611	3.9350536	8644	3.9367148	8677	3.9383696
8612	3.9351040	8645	3.9367650	8678	3.9384196
8613	3.9351544	8646	3.9368152	8679	3.9384697
8614	3.9352049	8647	3.9368655	8680	3.9385197
8615	3.9352553	8648	3.9369157	8681	3.9385698
8616	3.9353057	8649	3.9369659	8682	3.9386198
8617	3.9353561	8650	3.9370161	8683	3.9386698
8618	3.9354065	8651	3.9370663	8684	3.9387198
8619	3.9354569	8652	3.9371165	8685	3.9387698
8620	3.9355073	8653	3.9371667	8686	3.9388198
8621	3.9355576	8654	3.9372169	8687	3.9388698
8622	3.9356080	8655	3.9372671	8688	3.9389198
8623	3.9356584	8656	3.9373172	8689	3.9389698
8624	3.9357087	8657	3.9373674	8690	3.9390198
8625	3.9357591	8658	3.9374176	8691	3.9390697
8626	3.9358095	8659	3.9374677	8692	3.9391197
8627	3.9358598	8660	3.9375179	8693	3.9391697
8628	3.9359101	8661	3.9375680	8694	3.9392196
8629	3.9359605	8662	3.9376182	8695	3.9392696
8630	3.6360108	8663	3.9376683	8696	3.9393195
8631	3.9360611	8664	3.9377184	8697	3.9393695
8632	3.9361114	8665	3.9377686	8698	3.9394194
8633	3.9361617	8666	3.9378187	8699	3.9394693
8634	3.9362120	8667	3.9378688	8700	3.9395193

N.	Logarith.	N.	Logarith.	N.	Logarith.
8701	3.9395692	8734	3.9412132	8767	3.9428510
8702	3.9396191	8735	3.9412629	8768	3.9429005
8703	3.9396690	8736	3.9413126	8769	3.9429501
8704	3.9397189	8737	3.9413623	8770	3.9429996
8705	3.9397688	8738	3.9414120	8771	3.9430491
8706	3.9398187	8739	3.9414617	8772	3.9430986
8707	3.9398685	8740	3.9415114	8773	3.9431481
8708	3.9399184	8741	3.9415611	8774	3.9431976
8709	3.9399683	8742	3.9416108	8775	3.9432471
8710	3.9400182	8743	3.9416605	8776	3.9432966
8711	3.9400680	8744	3.9417101	8777	3.9433461
8712	3.9401179	8745	3.9417598	8778	3.9433956
8713	3.9401677	8746	3.9418095	8779	3.9434450
8714	3.9402176	8747	3.9418591	8780	3.9434945
8715	3.9402674	8748	3.9419088	8781	3.9435440
8716	3.9403172	8749	3.9419584	8782	3.9435934
8717	3.9403670	8750	3.9420081	8783	3.9436429
8718	3.9404169	8751	3.9420577	8784	3.9436923
8719	3.9404667	8752	3.9421073	8785	3.9437418
8720	3.9405165	8753	3.9421569	8786	3.9437912
8721	3.9405663	8754	3.9422065	8787	3.9438406
8722	3.9406161	8755	3.9422561	8788	3.9438900
8723	3.9406659	8756	3.9423058	8789	3.9439395
8724	3.9407157	8757	3.9423553	8790	3.9439889
8725	3.9407654	8758	3.9424049	8791	3.9440383
8726	3.9408152	8759	3.9424545	8792	3.9440877
8727	3.9408650	8760	3.9425041	8793	3.9441371
8728	3.9409147	8761	3.9425537	8794	3.9441865
8729	3.9409645	8762	3.9426032	8795	3.9442358
8730	3.9410142	8763	3.9426528	8796	3.9442852
8731	3.9410640	8764	3.9427024	8797	3.9443346
8732	3.9411137	8765	3.9427519	8798	3.9443840
8733	3.9411635	8766	3.9428015	8799	3.9444333
8734	3.9412132	8767	3.9428510	8800	3.9444827

N.	Logarith.	N.	Logarith.	N.	Logarith.
8801	3.9445320	8834	3.9461574	8867	3.9477767
8802	3.9445814	8835	3.9462066	8868	3.9478257
8803	3.9446307	8836	3.9462557	8869	3.9478747
8804	3.9446800	8837	3 9463049	8870	3.9479236
8805	3.9447294	8838	3.9463540	8871	3.9479726
8806	3.9447787	8839	3.9464031	8872	3.9480215
8807	3.9448280	8840	3.9464523	8873	3.9480705
8808	3.9448773	8841	3.9465014	8874	3.9481194
8809	3.9449266	8842	3.9465505	8875	3.9481684
8810	3.9449759	8843	3.9465996	8876	3.9482173
8811	3.9450252	8844	3.9466487	8877	3.9482662
8812	3.9450745	8845	3.9466978	8878	3.9483151
8813	3.9451238	8846	3.9467469	8879	3.9483641
8814	3.9451730	8847	3.9467960	8880	3.9484130
8815	3.9452223	8848	3.9468451	8881	3.9484619
8816	3.9452716	8849	3.9468942	8882	3.9485108
8817	3.9453202	8850	3.9469433	8883	3.9485597
8818	3.9453701	8851	3.9469923	8884	3.9486085
8819	3.9454193	8852	3.9470414	8885	3.9486574
8820	3.9454686	8853	3.9470905	8886	3.9487063
8821	3.9455178	8854	3.9471395	8887	3.9487552
8822	3.9455671	8855	3.9471886	8888	3.9488040
8823	3.9456163	8856	3.9472376	8889	3.9488529
8824	3.9456655	8857	3.9472866	8890	3.9489018
8825	3.9457147	8858	3.9473357	8891	3.9489506
8826	3.9457639	8859	3.9473847	8892	3.9489995
8827	3.9458131	8860	3.9474337	8893	3.9490483
8828	3.9458623	8861	3.9474827	8894	3.9490971
8829	3.9459115	8862	3.9475317	8895	3.9491460
8830	3.9459607	8863	3.9475807	8896	3.9491948
8831	3 9460099	8864	3.9476297	8897	3 9492436
8832	3.9460591	8865	3.9476787	8898	3.9492924
8833	3.9461082	8866	3.9477277	8899	3.9493412
8834	3.9461574	8867	3.9477767	8900	3.9493900

N.	Logarith.	N.	Logarith.	N.	Logarith.
8901	3.9494388	8934	3.9510459	8967	3.9526472
8902	3.9494876	8935	3.9510946	8968	3.9526956
8903	3.9495364	8936	3.9511432	8969	3.9527440
8904	3.9495852	8937	3.9511918	8970	3.9527924
8905	3.9496339	8938	3.9512404	8971	3.9528409
8906	3.9496827	8939	3.9512889	8972	3.9528893
8907	3.9497315	8940	3.9513375	8973	3.9529377
8908	3.9497802	8941	3.9513861	8974	3.9529861
8909	3.9498290	8942	3.9514347	8975	3.9530345
8910	3.9498777	8943	3.9514832	8976	3.9530828
8911	3.9499264	8944	3.9515318	8977	3.9531312
8912	3.9499752	8945	3.9515803	8978	3.9531796
8913	3.9500239	8946	3.9516289	8979	3.9532280
8914	3.9500726	8947	3.9516774	8980	3.9532763
8915	3.9501213	8948	3.9517260	8981	3.9533247
8916	3.9501701	8949	3.9517745	8982	3.9533730
8917	3.9502188	8950	3.9518230	8983	3.9534214
8918	3.9502675	8951	3.9518716	8984	3.9534697
8919	3.9503162	8952	3.9519201	8985	3.9535181
8920	3.9503649	8953	3.9519686	8986	3.9535664
8921	3.9504135	8954	3.9520171	8987	3.9536147
8922	3.9504622	8955	3.9520656	8988	3.9536631
8923	3.9505109	8956	3.9521141	8989	3.9537114
8924	3.9505596	8957	3.9521626	8990	3.9537597
8925	3.9506082	8958	3.9522111	8991	3.9538080
8926	3.9506569	8959	3.9522595	8992	3.9538563
8927	3.9507055	8960	3.9523080	8993	3.9539046
8928	3.9507542	8961	3.9523565	8994	3.9539529
8929	3.9508028	8962	3.9524049	8995	3.9540012
8930	3.9508515	8963	3.9524534	8996	3.9540494
8931	3.8509001	8964	3.9525018	8997	3.9540977
8932	3.9509487	8965	3.9525503	8998	3.9541460
8933	3.9509973	8966	3.9525987	8999	3.9544943
8934	3.9510459	8967	3.9526472	9000	3.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
9001	3.9542908	9034	3.9558801	9067	3.9574636
9002	3.9543390	9035	3.9559282	9068	3.9575115
9003	3.9543872	9036	3.9559762	9069	3.9575594
9004	3.9544355	9037	3.9560243	9070	3.9576073
9005	3.9544837	9038	3.9560723	9071	3.9576552
9006	3.9545319	9039	3.9561204	9072	3.9577030
9007	3.9545802	9040	3.9561684	9073	3.9577509
9008	3.9546284	9041	3.9562165	9074	3.9577988
9009	3.9546766	9042	3.9562645	9075	3.9578466
9010	3.9547248	9043	3.9563125	9076	3.9578945
9011	3.9547730	9044	3.9563606	9077	3.9579423
9012	3.9548212	9045	3.9564086	9078	3.9579902
9013	3.9548694	9046	3.9564566	9079	3.9580380
9014	3.9549176	9047	3.9565046	9080	3.9580858
9015	3.9549657	9048	3.9565526	9081	3.9581337
9016	3.9550139	9049	3.9566006	9082	3.9581815
9017	3.9550621	9050	3.9566486	9083	3.9582293
9018	3.9551102	9051	3.9566966	9084	3.9582771
9019	3.9551584	9052	3.9567445	9085	3.9583249
9020	3.9552065	9053	3.9567925	9086	3.9583727
9021	3.9552547	9054	3.9568405	9087	3.9584209
9022	3.9553028	9055	3.9568885	9088	3.958468[illegible]
9023	3.9553510	9056	3.9569364	9089	3.958516[illegible]
9024	3.9553991	9057	3.9569844	9090	3.9585639
9025	3.9554472	9058	3.9570323	9091	3.958611[illegible]
9026	3.9554953	9059	3.9570803	9092	3.958659[illegible]
9027	3.9555434	9060	3.9571282	9093	3.958707[illegible]
9028	3.9555915	9061	3.9571761	9094	3.958754
9029	3.9556397	9062	3.9572241	9095	3.958802
6030	3.9556877	9063	3.9572720	9096	3.958850
9031	3.9557358	9064	3.9573199	9097	3.958898
9032	3.9557839	9065	3.9573678	9098	3.958945
9033	3.9558320	9066	3.9574157	9099	3.958993
9034	3.9558801	9067	3.9574636	9100	3.959041

N.	Logarith.	N.	Logarith.	N.	Logarith.
9101	3.9590891	9134	3.9606610	9167	3.9622272
9102	3.9591368	9135	3.9607086	9168	3.9622746
9103	3.9591845	9136	3.9607561	9169	3.9623220
9104	3.9592322	9137	3.9608036	9170	3.9623693
9105	3.9592799	9138	3.9608512	9171	3.9624167
9106	3.9593276	9139	3.9608987	9172	3.9624640
9107	3.9593753	9140	3.9609462	9173	3.9625114
9108	3.9594230	9141	3.9609937	9174	3.9625587
9109	3.9594707	9142	3.9610412	9175	3.9626061
9110	3.9595184	9143	3.9610887	9176	3.9626534
9111	3.9595660	9144	3.9611362	9177	3.9627007
9112	3.9596137	9145	3.9611837	9178	3.9627481
9113	3.9596614	9146	3.9612312	9179	3.9627954
9114	3.9597090	9147	3.9612787	9180	3.9628427
9115	3.9597567	9148	3.9613262	9181	3.9628900
9116	3.9598043	9149	3.9613736	9182	3.9629373
9117	3.9598520	9150	3.9614211	9183	3.9629846
9118	3.9598996	9151	3.9614686	9184	3.9630319
9119	3.9599472	9152	3.9615160	9185	3.9630792
9120	3.9599948	9153	3.9615635	9186	3.9631264
9121	3.9600425	9154	3.9616109	9187	3.9631737
9122	3.9600901	9155	3.9616583	9188	3.9632210
9123	3.9601377	9156	3.9617058	9189	3.9632683
9124	3.9601853	9157	3.9617532	9190	3.9633155
9125	3.9602329	9158	3.9618006	9191	3.9633628
9126	3.9602805	9159	3.9618481	9192	3.9634100
9127	3.9603280	9160	3.9618955	9193	3.9634573
9128	3.9603756	9161	3.9619429	9194	3.9635045
9129	3.9604232	9162	3.9619903	9195	3.9635517
9130	3.9604708	9163	3.9620377	9196	3.9635990
9131	3.9605183	9164	3.9620851	9197	3.9636462
9132	3.9605659	9165	3.9621325	9198	3.9636934
9133	3.9606135	9166	3.9621799	9199	3.9637406
9134	3.9606610	9167	3.9622272	9200	3.9637878

N.	Logarith.	N.	Logarith.	N.	Logarith.
9201	3.9638350	9234	3.9653899	9267	3.9669392
9202	3.9638822	9235	3.9654369	9268	3.9669860
9203	3.9639294	9236	3.9654839	9269	3.9670329
9204	3.9639766	9237	3.9655309	9270	3.9670797
9205	3.9640238	9238	3.9655780	9271	3.9671266
9206	3.9640710	9239	3.9656250	9272	3.9671734
9207	3.9641181	9240	3.9656720	9273	3.9672203
9208	3.9641653	9241	3.9657190	9274	3.9672671
9209	3.9642125	9242	3.9657660	9275	3.9673139
9210	3.9642596	9243	3.9658130	9276	3.9673607
9211	3.9643068	9244	3.9658599	9277	3.9674076
9212	3.9643539	9245	3.9659069	9278	3.9674544
9213	3.9644011	9246	3.9659539	9279	3.9675012
9214	3.9644482	9247	3.9660009	9280	3.9675480
9215	3.9644953	9248	3.9660478	9281	3.9675948
9216	3.9645425	9249	3.9660948	9282	3.9676416
9217	3.9645896	9250	3.9661417	9283	3.9676883
9218	3.9646367	9251	3.9661887	9284	3.9677351
9219	3.9646838	9252	3.9662356	9285	3.9677819
9220	3.9647309	9253	3.9662826	9286	3.9678287
9221	3.9647780	9254	3.9663295	9287	3.9678754
9222	3.9648251	9255	3.9663764	9288	3.9679222
9223	3.9648722	9256	3.9664233	9289	3.9679690
9224	3.9649193	9257	3.9664703	9290	3.9680157
9225	3.9649664	9258	3.9665172	9291	3.9680625
9226	3.9650134	9259	3.9665641	9292	3.9681092
9227	3.9650605	9260	3.9666110	9293	3.9681559
9228	3.9651076	9261	3.9666579	9294	3.9682027
9229	3.9651546	9262	3.9667048	9295	3.9682494
9230	3.9652017	9263	3.9667517	9296	3.9682961
9231	3.9652488	9264	3.9667985	9297	3.9683428
9232	3.9652958	9265	3.9668454	9298	3.9683895
9233	3.9653428	9266	3.9668923	9299	3.9684362
9234	3.9653899	9267	3.9669392	9300	3.9684829

N.	Logarith.	N.	Logarith.	N.	Logarith.
9301	3.9685296	9334	3.9700678	9367	3.9716005
9302	3.9685763	9335	3.9701143	9368	3.9716469
9303	3.9686230	9336	3.9701608	9369	3.9716932
9304	3.9686697	9337	3.9702074	9370	3.9717396
9305	3.9687164	9338	3.9702539	9371	3.9717859
9306	3.9687630	9339	3.9703004	9372	3.9718323
9307	3.9688097	9340	3.9703469	9373	3.9718786
9308	3.9688564	9341	3.9703934	9374	3.9716249
9309	3.9689030	9342	3.9704399	9375	3.9719713
9310	3.9689497	9343	3.9704863	9376	3.9720176
9311	3.9689963	9344	3.9705328	9377	3.9720639
9312	3.9690430	9345	3.9705793	9378	3.9721102
9313	3.9690896	9346	3.9706258	9379	3.9721565
9314	3.9691362	9347	3.9706722	9380	3.9722028
9315	3.9691829	9348	3.9707187	9381	3.9722491
9316	3.9692295	9349	3.9707652	9382	3.9722954
9317	3.9692761	9350	3.9708116	9383	3.9723417
9318	3.9693227	9351	3.9708581	9384	3.9723880
9319	3.9693693	9352	3.9709045	9385	3.9724343
9320	3.9694159	9353	3.9709509	9386	3.9724805
9321	3.9694625	9354	3.9709974	9387	3.9725268
9322	3.9695091	9355	3.9710438	9388	3.9725731
9323	3.9695557	9356	3.9710902	9389	3.9726193
9324	3.9696023	9357	3.9711366	9390	3.9726656
9325	3.9696488	9358	3.9711830	9391	3.9727118
9326	3.9696954	9359	3.9712294	9392	3.9727581
9327	3.9697420	9360	3.9712758	9393	3.9728043
9328	3.9697885	9361	3.9713222	9394	3.9728506
9329	3.9698351	9362	3.9713686	9365	3.9728968
9330	3.9698816	9363	3.9714150	9396	3.9729430
9331	3.9699282	9364	3.9714614	9397	3.9729892
9332	3.9699747	9365	3.9715078	9398	3.9730354
9333	3.9700213	9366	3.9715542	9399	3.9730816
9334	3.9700678	9367	3.9716005	9400	3.9731279

N.	Logarith.	N.	Logarith.	N.	Logarith.
9401	3.9731741	9434	3.9746959	9467	3.9762124
9402	3.9732202	9435	3.9747419	9468	3.9762582
9403	3.9732664	9436	3.9747879	9469	3.9763041
9404	3.9733126	9437	3.9748340	9470	3.9763500
9405	3.9733588	9438	3.9748800	9471	3.9763958
9406	3.9734050	9439	3.9749260	9472	3.9764417
9407	3.9734511	9440	3.9749720	9473	3.9764875
9408	3.9734973	9441	3.9750180	9474	3.9765334
9409	3.9735435	9442	3.9750640	9475	3.9765792
9410	3.9735896	9443	3.9751100	9476	3.9766251
9411	3.9736358	9444	3.9751560	9477	3.9766709
9412	3.9736819	9445	3.9752020	9478	3.9767167
9413	3.9737281	9446	3.9752479	9479	3.9767625
9414	3.9737742	9447	3.9752939	9480	3.9768083
9415	3.9738203	9448	3.9753399	9481	3.9768541
9416	3.9738664	9449	3.9753858	9482	3.9768999
9417	3.9739126	9450	3.9754318	9483	3.9769457
9418	3.9739587	9451	3.9754778	9484	3.9769915
9419	3.9740048	9452	3.9755237	9485	3.9770373
9420	3.9740509	9453	3.9755697	9486	3.9770831
9421	3.9740970	9454	3.9756156	9487	3.9771289
9422	3.9741431	9455	3.9756615	9488	3.9771747
9423	3.9741892	9456	3.9757075	9489	3.9772204
9424	3.9742353	9457	3.9757534	9490	3.9772662
9425	3.9742814	9458	3.9757993	9491	3.9773120
9426	3.9743274	9459	3.9758452	9492	3.9773577
9427	3.9743735	9460	3.9758911	9493	3.9774035
9428	3.9744196	9461	3.9759370	9494	3.9774492
9429	3.9744656	9462	3.9759829	9495	3.9774950
9430	3.9745117	9463	3.9760288	9496	3.9775407
9431	3.9745577	9464	3.9760747	9497	3.9775864
9432	3.9746038	9465	3.9761206	9498	3.9776322
9433	3.9746498	9466	3.9761665	9499	3.9776779
9434	3.9746959	9467	3.9762124	9500	3.9777236

N.	Logarith.	N.	Logarith.	N.	Logarith.
9501	3.9777693	9534	3.9792751	9567	3.9807758
9502	3.9778150	9535	3.9793207	9568	3.9808212
9503	3.9778607	9536	3.9793662	9569	3.9808666
9504	3.9779064	9537	3.9794118	9570	3.9809119
9505	3.9779521	9538	3.9794573	9571	3.9809573
9506	3.9779978	9539	3.9795028	9572	3.9810027
9507	3.9780435	9540	3.9795484	9573	3.9810481
9508	3.9780892	9541	3.9795939	9574	3.9810934
9509	3.9781348	9542	3.9796394	9575	3.9811388
9510	3.9781805	9543	3.9796849	9576	3.9811841
9511	3.9782262	9544	3.9797304	9577	3.9812295
9512	3.9782718	9545	3.9797759	9578	3.9812748
9513	3.9783175	9546	3.9798214	9579	3.9813202
9514	3.9783631	9547	3.9798669	9580	3.9813655
9515	3.9784088	9548	3.9799124	9581	3.9814108
9516	3.9784544	9549	3.9799579	9582	3.9814562
9517	3.9785001	9550	3.9800034	9583	3.9815015
9518	3.9785457	9551	3.9800488	9584	3.9815468
9519	3.9785913	9552	3.9800943	9585	3.9815921
9520	3.9786369	9553	3.9801398	9586	3.9816374
9521	3.9786826	9554	3.9801852	9587	3.9816827
9522	3.9787282	9555	3.9802307	9588	3.9817280
9523	3.9787738	9556	3.9802761	9589	3.9817733
9524	3.9788198	9557	3.9803216	9590	3.9818186
9525	3.9788650	9558	3.9803670	9591	3.9818639
9526	3.9789106	9559	3.9804125	9592	3.9819092
9527	3.9789562	9560	3.9804579	9593	3.9819544
9528	3.9790017	9561	3.9805033	9594	3.9819997
9529	3.9790473	9562	3.9805487	9595	3.9820450
9530	3.9790929	9563	3.9805942	9596	3.9820902
9531	3.9791385	9564	3.9806396	9597	3.9821355
9532	3.9791840	9565	3.9806850	9598	3.9821807
9533	3.9792296	9566	3.9807304	9599	3.9822260
9534	3.9792751	9567	3.9807758	9600	3.9822712

N.	Logarith.	N.	Logarith.	N.	Logarith.
9601	3.9823165	9634	3.9838066	9667	3.9852917
9602	3.9823617	9635	3.9838517	9668	3.9853366
9603	3.9824069	9636	3.9838968	9669	3.9853816
9604	3.9824522	9637	3.9839419	9670	3.9854265
9605	3.9824974	9638	3.9839869	9671	3.9854714
9606	3.9825426	9639	3.9840320	9672	3.9855163
9607	3.9825878	9640	3.9840770	9673	3.9855612
9608	3.9826330	9641	3.9841221	9674	3.9856061
9609	3.9826782	9642	3.9841671	9675	3.9856510
9610	3.9827234	9643	3.9842122	9676	3.9856959
9611	3.9827686	9644	3.9842572	9677	3.9857407
9612	3.9828138	9645	3.9843022	9678	3.9857856
9613	3.9828589	9646	3.9843473	9679	3.9858305
9614	3.9829041	9647	3.9843923	9680	3.9858754
9615	3.9829493	9648	3.9844373	9681	3.9859202
9616	3.9829945	9649	3.9844823	9682	3.9859651
9617	3.9830396	9650	3.9845273	9683	3.9860099
9618	3.9830848	9651	3.9845723	9584	3.9860548
9619	3.9831269	9652	3.9846173	9685	3.9860996
9620	3.9831751	9653	3.9846623	9686	3.9861445
9621	3.9832202	9654	3.9847073	9687	3.9861893
9622	3.9832654	9655	3.9847523	9688	3.9862341
9623	3.9833105	9656	3.9847973	9689	3.9862790
9624	3.9833556	9657	3.9848422	9690	3.9863238
9625	3.9834007	9658	3.9848872	9691	3.9863686
9626	3.9834459	9659	3.9849322	9692	3.9864134
9627	3.9834910	9660	3.9849771	9693	3.9864582
9628	3.9835361	9661	3.9850221	9694	3.9865030
9629	3.9835812	9662	3.9850670	9695	3.9865478
9630	3.9836263	9663	3.9851120	9696	3.9865926
9631	3.9836714	9664	3.9851569	9697	3.9866374
9632	3.9837165	9665	3.9852019	9698	3.9866822
9633	3.9837616	9666	3.9852468	9699	3.9867270
9634	3.9838066	9667	3.9852917	9700	3.9867717

N.	Logarith.	N.	Logarith.	N.	Logarith
9701	3.9868165	9734	3.9882913	9767	3.9897612
9702	3.9868613	9735	3.9883360	9768	3.9898056
9703	3.9869060	9736	3.9883806	9769	3.9898501
9704	3.9869508	9737	3.9884252	9770	3.9898946
9705	3.9869955	9738	3.9884698	9771	3.9899390
9706	3.9870403	9739	3.9885144	9772	3.9899835
9707	3.9870850	9740	3.9885590	9773	3.9900279
9708	3.9871298	9741	3.9886035	9774	3.9900723
9709	3.9871745	9742	3.9886481	9775	3.9901168
9710	3.9372192	9743	3.9886927	9776	3.9901612
9711	3.9872640	9744	3.9887373	9777	3.9902656
9712	3.9873087	9745	3.9887818	9778	3.9902500
9713	3.9873534	9746	3.9888264	9779	3.9902944
9714	3.9873981	9747	3.9888710	9780	3.9903389
9715	3.9874428	9748	3.9889155	9781	3.9903833
9716	3.9874875	9749	3.9889601	9782	3.9904277
9717	3.9875322	9750	3.9890046	9783	3.9904721
9718	3.9875769	9751	3.9890492	9784	3.9905164
9719	3.9876216	9752	3.9890937	9785	3.9905608
9720	3.9876663	9753	3.9891382	9786	3.9906052
9721	3.9877109	9754	3.9891828	9787	3.9906496
9722	3.9877556	9755	3.9892273	9788	3.9906940
9723	3.9878003	9756	3.9892718	9789	3.9907383
9724	3.9878449	9757	3.9893163	9790	3.9907827
9725	3.9878896	9758	3.9893608	9791	3.9908270
9726	3.9879343	9759	3.9894053	9792	3.9908714
9727	3.9879789	9760	8.9894498	9793	3.9909158
9728	3.9880236	9761	3.9894943	9794	3.9909601
9729	3.9880682	9762	3.9895388	9795	3.9910044
9730	3.9881128	9763	3.9895833	9796	3.9910488
9731	3.9881575	9764	3.9896278	9797	3.9910931
9732	3.9882021	9765	3.9896722	9798	3.9911374
9733	3.9882467	9766	3.9897167	9799	3.9911818
9734	3.9882913	9767	3.9897612	9800	3.9912261

N.	Logarith.	N.	Logarith.	N.	Logarith.
9801	3.9912704	9834	3.9927302	9867	3.9941851
9802	3.9913147	9835	3.9927744	9868	3.9942291
9803	3.9913590	9836	3.9928185	9869	3.9942731
9804	3.9914033	9837	3.9928627	9870	3.9943172
9805	3.9914476	9838	3.9929068	9871	3.9943612
9806	3.9914919	9839	3.9929510	9872	3.9944051
9807	3.9915362	9840	3.9929951	9873	3.9944491
9808	3.9915805	9841	3.9930392	9874	3.9944931
9809	3.9916247	9842	3.9930834	9875	3.9945371
9810	3.9916690	9843	3.9931275	9876	3.9945811
9811	3.9917133	9844	3.9931716	9877	3.9946251
9812	3.9917575	9845	3.9932157	9878	3.9946690
9813	3.9918018	9846	3.9932598	9879	3.9947130
9814	3.9918461	9847	3.9933039	9880	3.9947569
9815	3.9918903	9848	3.9933480	9881	3.9948009
9816	3.9919345	9849	3.9933921	9882	3.9948448
9817	3.9919788	9850	3.9934362	9883	3.9948888
9818	3.9920230	9851	3.9934803	9884	3.9949327
9819	3.9920673	9852	3.9935244	9885	3.9949767
9820	3.9921115	9853	3.9935685	9886	3.9950206
9821	3.9921557	9854	3.9936126	9887	3.9950645
9822	3.9921999	9855	3.9936566	9888	3.9951085
9823	3.9922441	9856	3.9937007	9889	3.9951524
9824	3.9922884	9857	3.9937448	9890	3.9951963
9825	3.9923326	9858	3.9937888	9891	3.9952402
9826	3.9923768	9859	3.9938329	9892	3.9952841
9827	3.9924210	9860	3.9938769	9893	3.9953280
9828	3.9924651	9861	3.9939210	9894	3.9953719
9829	3.9925093	9862	3.9939650	9895	3.9954158
9830	3.9925535	9863	3.9940090	9896	3.9954597
9831	3.9925977	9864	3.9940531	9897	3.9955036
9832	3.9926419	9865	3.9940971	9898	3.9955474
9833	3.9926860	9866	3.9941411	9899	3.9955913
9834	3.9927302	9867	3.9941851	9900	3.9956352

N.	Logarith.	N.	Logarith.	N.	Logarith.
9901	3.9956791	9934	3.9971242	9967	3.9985645
9902	3.9957229	9935	3.9971679	9968	3.9986080
9903	3.9957668	9936	3.9972116	9969	3.9986516
9904	3.9958106	9937	3.9972553	9970	3.9986952
9905	3.9958545	9938	3.9972990	9971	3.9987387
9906	3.9958983	9939	3.9973427	9972	3.9987823
9907	3.9959422	9940	3.9973864	9973	3.9988258
9908	3.9959860	9941	3.9974301	9974	3.9988694
9909	3.9960298	9942	3.9974738	9975	3.9989129
9910	3.9960737	9943	3.9975174	9976	3.9989564
9911	3.9961175	9944	3.9975611	9977	3.9990000
9912	3.9961613	9945	3.9976048	9978	3.9990435
9913	3.9962051	9946	3.9976485	9979	3.9990870
9914	3.9962489	9947	3.9976921	9980	3.9991305
9915	3.9962927	9948	3.9977358	9981	3.9991741
9916	3.9963365	9949	3.9977794	9982	3.9992176
9917	3.9963803	9950	3.9988231	9983	3.9992611
9918	3.9964241	9951	3.9978667	9984	3.9993046
9919	3.9964679	9952	3.9979104	9985	3.9993481
9920	3.9965117	9953	3.9979540	9986	3.9993916
9921	3.9965554	9954	3.9979976	9987	3.9994350
9922	3.9965992	9955	3.9980413	9988	3.9994785
9923	3.9966430	9956	3.9980849	9989	3.9995220
9924	3.9966868	9957	3.9981285	9990	3.9995655
9925	3.9967305	9958	3.9981721	9991	3.9996090
9926	3.9967743	9959	3.9982157	9992	3.9996524
9927	3.9968180	9960	3.9982593	9993	3.9996959
9928	3.9968618	9961	3.9983029	9994	3.9997393
9929	3.9969055	9962	3.9983465	9995	3.9997828
9930	3.9969492	9963	3.9983901	9996	3.9998262
9931	3.9969930	9964	3.9984337	9997	3.9998697
9932	3.9970367	9965	3.9984773	9998	3.9999131
9933	3.9970804	9966	3.9985209	9999	3.9999566
9934	3.9971242	9967	3.9985645	10000	4.0000000

TABULA NUMERORUM QUADRATORUM ET CUBICORUM

AB I. USQUE AD 1000.

R.	Q.	C.	R.	Q.	C.
1	1	1	36	1296	46656
2	4	8	37	1369	50653
3	9	27	38	1444	54872
4	16	64	39	1521	59319
5	25	125	40	1600	64000
6	36	216	41	1681	68921
7	49	343	42	1764	74088
8	64	512	43	1849	79507
9	81	729	44	1936	85184
10	100	1000	45	2025	91125
11	121	1331	46	2116	97336
12	144	1728	47	2209	103823
13	169	2197	48	2304	110592
14	196	2744	49	2401	117649
15	225	3375	50	2500	125000
16	256	4096	51	2601	132651
17	289	4913	52	2704	140608
18	324	5832	53	2809	148877
19	361	6859	54	2916	157464
20	400	8000	55	3025	166375
21	441	9261	56	3136	175616
22	484	10648	57	3249	185193
23	529	12167	58	3364	195112
24	576	13824	59	3481	205379
25	625	15625	60	3600	216000
26	676	17576	61	3721	226981
27	729	19683	62	3844	238328
28	784	21952	63	3969	250047
29	841	24389	64	4096	262144
30	900	27000	65	4225	274625
31	961	29791	66	4356	287496
32	1024	32768	67	4489	300763
33	1089	35937	68	4624	314432
34	1156	39304	69	4761	328509
35	1225	42875	70	4900	343000

R.	Q.	C.	R.	Q.	C.
71	5041	357911	106	11236	1191016
72	5184	373248	107	11449	1225043
73	5329	389017	108	11664	1259712
74	5476	405224	109	11881	1295029
75	5625	421875	110	12100	1331000
76	5776	438976	111	12321	1367631
77	5929	456533	112	12544	1404928
78	6084	474552	113	12769	1442897
79	6241	493039	114	12996	1481544
80	6400	512000	115	13225	1520875
81	6561	531441	116	13456	1560896
82	6724	551368	117	13689	1601613
83	6889	571787	118	13924	1643032
84	7056	592704	119	14161	1685159
85	7225	614125	120	14400	1728000
86	7396	636056	121	14641	1771561
87	7569	658503	122	14884	1815848
88	7744	681472	123	15129	1860867
79	7921	704969	124	15376	1906624
90	8100	729000	125	15625	1953125
91	8281	753571	126	15876	2000376
92	8464	778688	127	16129	2048383
93	8649	804357	128	16384	2097152
94	8836	830584	129	16641	2146689
95	9025	857375	130	16900	2197000
96	9216	884736	131	17161	2248091
97	9409	912673	132	17424	2299968
98	9604	941192	133	17689	2352637
99	9801	970299	134	17956	2406104
100	10000	1000000	135	18225	2460375
101	10201	1030301	136	18496	2515456
102	10404	1061208	137	18769	2571353
103	10609	1092727	138	19044	2628072
104	10816	1124864	139	19321	2685619
105	11025	1157625	140	19600	2744000

R.	Q.	C.	R.	Q.	C.
141	19881	2803221	176	30976	5451776
142	20164	2863288	177	31329	5545233
143	20449	2924207	178	31684	5639752
144	20736	2985984	179	32041	5735339
145	21025	3048625	180	32400	5832000
146	21316	3112136	181	32761	5929741
147	21609	3176523	182	33124	5928568
148	21904	3241792	183	33489	6128487
149	22201	3307949	184	33856	6229504
150	22500	3375000	185	34225	6331625
151	22801	3442951	186	34596	6434856
152	23104	3511808	187	34969	6539203
153	23409	3581577	188	35344	6644672
154	23716	3652264	189	35721	6751269
155	24025	3723875	190	36100	6859000
156	24336	3796416	191	36481	6967871
157	24649	3869893	192	36864	7077888
158	24964	3944312	193	37249	7189057
159	25281	4019679	194	37636	7301384
160	25600	4096000	195	38025	7417875
161	25921	4173281	196	38416	7529536
162	26244	4251528	197	38809	7645373
163	26569	4330747	198	39204	7762392
164	26896	4410944	199	39601	7880599
165	27225	4492125	200	40000	8000000
166	27556	4574296	201	40401	8120601
167	27889	4657463	202	40804	8242408
168	28224	4741632	203	41209	8365427
169	28561	4826809	204	41616	8489664
170	28900	4913000	205	42025	8615125
171	29241	5000211	206	42436	8741816
172	29584	5088448	207	42849	8869743
173	29929	5177717	208	43264	8998912
174	30276	5268024	209	43681	9129329
175	30625	5359375	210	44100	9261000

R.	Q.	C.	R.	Q.	C.
211	44521	9393931	246	60516	14886936
212	44944	9528128	247	61009	15069223
213	45369	9663597	248	61504	15252992
214	45796	9800344	249	62001	15438249
215	46225	9938375	250	62500	15625000
216	46656	10077696	251	63001	15813251
217	47089	10218313	252	63504	16003008
218	47524	10360232	253	64009	16194277
219	47961	10503459	254	64516	16387064
220	48400	10648000	255	65025	16581375
221	48841	10793861	256	65536	16777216
222	49284	10941048	257	66049	16974593
223	49729	11089567	258	66564	17173512
224	50176	11239424	259	67081	17373979
225	50625	11390625	260	67600	17576000
226	51076	11543176	261	68121	17779581
227	51529	11697083	262	68644	17984728
228	51984	11852352	263	69169	18191447
229	52441	12008989	264	69696	18399744
230	52900	12167000	265	70225	18609625
231	53361	12326391	266	70756	18821096
232	53824	12487168	267	71289	19034163
233	54289	12649337	268	71824	19248832
234	54756	12812904	269	72361	19465109
235	55225	12977875	270	72900	19683000
236	55696	13144256	271	73441	19902511
237	56169	13312053	272	73984	20123648
238	56644	13481272	273	74529	20346417
239	57121	13651919	274	75076	20570824
240	57600	13824000	275	75625	20796875
241	58081	13997521	276	76176	21024576
242	58564	14172488	277	76729	21253933
243	59049	14348907	278	77284	21484952
244	59536	14526784	279	77841	21717639
245	60025	14706125	280	78400	21952000

R.	Q.	C.	R.	Q.	C.
281	78961	22188041	316	99856	31554496
282	79524	22425768	317	100489	31855013
283	80089	22665187	318	101124	32157432
284	80656	22906304	319	101761	32461759
285	81225	23149125	320	102400	32768000
286	81796	23393656	321	103041	33076161
287	82369	23639903	322	103684	33386248
288	82944	23887872	323	104329	33698267
289	83521	24137569	324	104976	34012224
290	84100	24389000	325	105625	34328125
291	84681	24642171	326	106276	34645976
292	85264	24897088	327	106929	34965783
293	85849	25153757	328	107584	35287552
294	86436	25412184	329	108241	35611289
295	87025	25672375	330	108900	35937000
296	87616	25934336	331	109561	36264691
297	88209	26198073	332	110224	36594368
298	88804	26463592	333	110889	36926037
299	89401	26730899	334	111556	37259704
300	90000	27000000	335	112225	37595375
301	90601	27270901	336	112896	37933056
302	91204	27543608	337	113569	38272753
303	91809	27818127	338	114244	38614472
304	92416	28094464	339	114921	38958219
305	93025	28372625	340	115600	39304000
306	93636	18652616	341	116281	3965182
307	94249	28934443	342	116964	4000168
308	94864	29218112	343	117649	4035360
309	95481	29503629	344	118336	4070758
310	96100	26791000	345	119025	4106362
311	96721	30080231	346	119716	4142173
312	97344	30371328	347	120409	4178192
313	97969	30664297	348	121104	4214419
314	98596	30959144	349	121801	4250854
315	99225	31255875	350	122500	4287500

R.	Q.	C.	R.	Q.	C.
351	123201	43243551	386	148996	57512456
352	123904	43614208	387	149769	57960603
353	124609	43986977	388	150544	58411072
354	125316	44361864	389	151321	58863869
355	126025	44738875	390	152100	59319000
356	126736	45118016	391	152881	59776471
357	127449	45499293	392	153664	60236288
358	128164	45882712	393	154449	60698457
359	128881	46268279	394	155236	61162984
360	129600	46656000	395	156025	61629875
361	130321	47045881	396	156816	62099136
362	131044	47437928	397	157609	62570773
363	131769	47832147	398	158404	63044792
364	132496	48228544	399	159201	63251199
365	133225	48627125	400	160000	64000000
366	133956	49027896	401	160801	64481201
367	134689	49430863	402	161604	64964808
368	135424	49836032	403	162409	65450827
369	136161	50243409	404	163216	65939264
370	136900	50653000	405	164025	66430125
371	137641	51064811	406	164836	66923416
372	138384	51478848	407	165649	67419143
373	139129	51895117	408	166464	67917312
374	134876	52313624	409	167281	68417929
375	140625	42734375	410	168100	68921000
376	141376	53157376	411	168921	69426531
377	142129	53582633	412	169744	69934528
378	142884	54010152	413	170569	70444997
379	143641	54439939	414	171396	70957944
380	144400	54872000	415	172225	71473375
381	145161	55306341	416	173056	71991296
382	145924	55742968	417	173889	72511713
383	146689	56181887	418	174724	73034632
384	147456	56623104	419	175561	73560059
385	148225	57066625	420	176400	74088000

R.	Q.	C.
421	177241	74618461
422	178084	75151448
423	178929	75686967
424	179776	76225024
425	180625	76765625
426	181476	77308776
427	182329	77854483
428	183184	78402752
429	184041	78953589
430	184900	79507000
431	185761	80062991
432	186624	80621568
433	187489	81182737
434	188356	81746504
435	189225	82312875
436	190096	82881856
437	190969	83453453
438	191844	84027672
439	192721	84604519
440	193600	85184000
441	194481	85766121
442	195364	86350888
443	196249	86938307
444	197136	87528384
445	198025	88121125
446	198916	88716536
447	199809	89314623
448	200704	89915392
449	201601	90518849
450	202500	91125000
451	203401	91733851
452	204304	92345408
453	205209	92959677
454	206116	93576664
455	207025	94196375
456	207936	94818816
457	208849	95443993
458	209764	96071912
459	210681	96702579
460	211600	97336000
461	212521	97972181
462	213444	98611128
463	214369	99252847
464	215296	99897344
465	216225	100544625
466	217156	101194696
467	218089	101847563
468	219024	102503232
469	219961	103161709
470	220900	103823000
471	221841	104487111
472	222784	105154048
473	223729	105823817
474	224676	106496424
475	225625	107171875
476	226576	107850176
477	227529	108531333
478	228484	109215352
479	229441	109902239
480	230400	110592000
481	231361	111284641
482	232324	111980168
483	233289	112678587
484	234256	113379904
485	235225	114084125
486	236196	114791256
487	237169	115501303
488	238144	116214272
489	239121	116930169
490	240100	117649000

N. 201.

N.	Logarith.	N.	Logarith.	N.	Logarith
9701	3.9868165	9734	3.9882913	9767	3.9897612
9702	3.9868613	9735	3.9883360	9768	3.9898056
9703	3.9869060	9736	3.9883806	9769	3.9898501
9704	3.9869508	9737	3.9884252	9770	3.9898946
9705	3.9869955	9738	3.9884698	9771	3.9899390
9706	3.9870403	9739	3.9885144	9772	3.9899835
9707	3.9870850	9740	3.9885590	9773	3.9900279
9708	3.9871298	9741	3.9886035	9774	3.9900723
9709	3.9871745	9742	3.9886481	9775	3.9901168
9710	3.9372192	9743	3.9886927	9776	3.9901612
9711	3.9872640	9744	3.9887373	9777	3.9902656
9712	3.9873087	9745	3.9887818	9778	3.9902500
9713	3.9873534	9746	3.9888264	9779	3.9902944
9714	3.9873981	9747	3.9888710	9780	3.9903389
9715	3.9874428	9748	3.9889155	9781	3.9903833
9716	3.9874875	9749	3.9889601	9782	3.9904277
9717	3.9875322	9750	3.9890046	9783	3.9904721
9718	3.9875769	9751	3.9890492	9784	3.9905164
9719	3.9876216	9752	3.9890937	9785	3.9905608
9720	3.9876663	9753	3.9891382	9786	3.9906052
9721	3.9877109	9754	3.9891828	9787	3.9906496
9722	3.9877556	9755	3.9892273	9788	3.9906940
9723	3.9878003	9756	3.9892718	9789	3.9907383
9724	3.9878449	9757	3.9893163	9790	3.9907827
9725	3.9878896	9758	3.9893608	9791	3.9908270
9726	3.9879343	9759	3.9894053	9792	3.9908714
9727	3.9879789	9760	8.9894498	9793	3.9909158
9728	3.9880236	9761	3.9894943	9794	3.9909601
9729	3.9880682	9762	3.9895388	9795	3.9910044
9730	3.9881128	9763	3.9895833	9796	3.9910488
9731	3.9881575	9764	3.9896278	9797	3.9910931
9732	3.9882021	9765	3.9896722	9798	3.9911374
9733	3.9882467	9766	3.9897167	9799	3.9911818
9734	3.9882913	9767	3.9897612	9800	3.9912261

N.	Logarith.	N.	Logarith.	N.	Logarith.
9801	3.9912704	9834	3.9927302	9867	3.9941851
9802	3.9913147	9835	3.9927744	9868	3.9942291
9803	3.9913590	9836	3.9928185	9869	3.9942731
9804	3.9914033	9837	3.9928627	9870	3.9943172
9805	3.9914476	9838	3.9929068	9871	3.9943612
9806	3.9914919	9839	3.9929510	9872	3.9944051
9807	3.9915362	9840	3.9929951	9873	3.9944491
9808	3.9915805	9841	3.9930392	9874	3.9944931
9809	3.9916247	9842	3.9930834	9875	3.9945371
9810	3.9916690	9843	3.9931275	9876	3.9945811
9811	3.9917133	9844	3.9931716	9877	3.9946251
9812	3.9917575	9845	3.9932157	9878	3.9946690
9813	3.9918018	9846	3.9932598	9879	3.9947130
9814	3.9918461	9847	3.9933039	9880	3.9947569
9815	3.9918903	9848	3.9933480	9881	3.9948009
9816	3.9919345	9849	3.9933921	9882	3.9948448
9817	3.9919788	9850	3.9934362	9883	3.9948888
9818	3.9920230	9851	3.9934803	9884	3.9949327
9819	3.9920673	9852	3.9935244	9885	3.9949767
9820	3.9921115	9853	3.9935685	9886	3.9950206
9821	3.9921557	9854	3.9936126	9887	3.9950645
9822	3.9921999	9855	3.9936566	9888	3.9951085
9823	3.9922441	9856	3.9937007	9889	3.9951524
9824	3.9922884	9857	3.9937448	9890	3.9951963
9825	3.9923326	9858	3.9937888	9891	3.9952402
9826	3.9923768	9859	3.9938329	9892	3.9952841
9827	3.9924210	9860	3.9938769	9893	3.9953280
9828	3.9924651	9861	3.9939210	9894	3.9953719
9829	3.9925093	9862	3.9939650	9895	3.9954158
9830	3.9925535	9863	3.9940090	9896	3.9954597
9831	3.9925977	9864	3.9940531	9897	3.9955036
9832	3.9926419	9865	3.9940971	9898	3.9955474
9833	3.9926860	9866	3.9941411	9899	3.9955913
9834	3.9927302	9867	3.9941851	9900	3.9956352

N.	Logarith.	N.	Logarith.	N.	Logarith.
9901	3.9956791	9934	3.9971242	9967	3.9985645
9902	3.9957229	9935	3.9971679	9968	3.9986080
9903	3.9957668	9936	3.9972116	9969	3.9986516
9904	3.9958106	9937	3.9972553	9970	3.9986952
9905	3.9958545	9938	3.9972990	9971	3.9987387
9906	3.9958983	9939	3.9973427	9972	3.9987823
9907	3.9959422	9940	3.9973864	9973	3.9988258
9908	3.9959860	9941	3.9974301	9974	3.9988694
9909	3.9960298	9942	3.9974738	9975	3.9989129
9910	3.9960737	9943	3.9975174	9976	3.9989564
9911	3.9961175	9944	3.9975611	9977	3.9990000
9912	3.9961613	9945	3.9976048	9978	3.9990435
9913	3.9962051	9946	3.9976485	9979	3.9990870
9914	3.9962489	9947	3.9976921	9980	3.9991305
9915	3.9962927	9948	3.9977358	9981	3.9991741
9916	3.9963365	9949	3.9977794	9982	3.9992176
9917	3.9963803	9950	3.9988231	9983	3.9992611
9918	3.9964241	9951	3.9978667	9984	3.9993046
9919	3.9964679	9952	3.9979104	9985	3.9993481
9920	3.9965117	9953	3.9979540	9986	3.9993916
9921	3.9965554	9954	3.9979976	9987	3.9994350
9922	3.9965992	9955	3.9980413	9988	3.9994785
9923	3.9966430	9956	3.9980849	9989	3.9995220
9924	3.9966868	9957	3.9981285	9990	3.9995655
9925	3.9967305	9958	3.9981721	9991	3.9996090
9926	3.9967743	9959	3.9982157	9992	3.9996524
9927	3.9968180	9960	3.9982593	9993	3.9996959
9928	3.9968618	9961	3.9983029	9994	3.9997393
9929	3.9969055	9962	3.9983465	9995	3.9997828
9930	3.9969492	9963	3.9983901	9996	3.9998262
9931	3.9969930	9964	3.9984337	9997	3.9998697
9932	3.9970367	9965	3.9984773	9998	3.9999131
9933	3.9970804	9966	3.9985209	9999	3.9999566
9934	3.9971242	9967	3.9985645	10000	4.0000000

TABULA NUMERORUM QUADRATORUM ET CUBICORUM

AB I. USQUE AD 1000.

R.	Q.	C.	R.	Q.	C.
1	1	1	36	1296	46656
2	4	8	37	1369	50653
3	9	27	38	1444	54872
4	16	64	39	1521	59319
5	25	125	40	1600	64000
6	36	216	41	1681	68921
7	49	343	42	1764	74088
8	64	512	43	1849	79507
9	81	729	44	1936	85184
10	100	1000	45	2025	91125
11	121	1331	46	2116	97336
12	144	1728	47	2209	103823
13	169	2197	48	2304	110592
14	196	2744	49	2401	117649
15	225	3375	50	2500	125000
16	256	4096	51	2601	132651
17	289	4913	52	2704	140608
18	324	5832	53	2809	148877
19	361	6859	54	2916	157464
20	400	8000	55	3025	166375
21	441	9261	56	3136	175616
22	484	10648	57	3249	185193
23	529	12167	58	3364	195112
24	576	13824	59	3481	205379
25	625	15625	60	3600	216000
26	676	17576	61	3721	226981
27	729	19683	62	3844	238328
28	784	21952	63	3969	250047
29	841	24389	64	4096	262144
30	900	27000	65	4225	274625
31	961	29791	66	4356	287496
32	1024	32768	67	4489	300763
33	1089	35937	68	4624	314432
34	1156	39304	69	4761	328509
35	1225	42875	70	4900	343000

R.	Q.	C.	R.	Q.	C.
71	5041	357911	106	11236	1191016
72	5184	373248	107	11449	1225043
73	5329	389017	108	11664	1259712
74	5476	405224	109	11881	1295029
75	5625	421875	110	12100	1331000
76	5776	438976	111	12321	1367631
77	5929	456533	112	12544	1404928
78	6084	474552	113	12769	1442897
79	6241	493039	114	12996	1481544
80	6400	512000	115	13225	1520875
81	6561	531441	116	13456	1560896
82	6724	551368	117	13689	1601613
83	6889	571787	118	13924	1643032
84	7056	592704	119	14161	1685159
85	7225	614125	120	14400	1728000
86	7396	636056	121	14641	1771561
87	7569	658503	122	14884	1815848
88	7744	681472	123	15129	1860867
79	7921	704969	124	15376	1906624
90	8100	729000	125	15625	1953125
91	8281	753571	126	15876	2000376
92	8464	778688	127	16129	2048383
93	8649	804357	128	16384	2097152
94	8836	830584	129	16641	2146689
95	9025	857375	130	16900	2197000
96	9216	884736	131	17161	2248091
97	9409	912673	132	17424	2299968
98	9604	941192	133	17689	2352637
99	9801	970299	134	17956	2406104
100	10000	1000000	135	18225	2460375
101	10201	1030301	136	18496	2515456
102	10404	1061208	137	18769	2571353
103	10609	1092727	138	19044	2628072
104	10816	1124864	139	19321	2685619
105	11025	1157625	140	19600	2744000

R.	Q.	C.	R.	Q.	C.
141	19881	2803221	176	30976	5451776
142	20164	2863288	177	31329	5545233
143	20449	2924207	178	31684	5639752
144	20736	2985984	179	32041	5735339
145	21025	3048625	180	32400	5832000
146	21316	3112136	181	32761	5929741
147	21609	3176523	182	33124	5928568
148	21904	3241792	183	33489	6128487
149	22201	3307949	184	33856	6229504
150	22500	3375000	185	34225	6331625
151	22801	3442951	186	34596	6434856
152	23104	3511808	187	34969	6539203
153	23409	3581577	188	35344	6644672
154	23716	3552264	189	35721	6751269
155	24025	3723875	190	36100	6859000
156	24336	3796416	191	36481	6967871
157	24649	3869893	192	36864	7077888
158	24964	3944312	193	37249	7189057
159	25281	4019679	194	37636	7301384
160	25600	4096000	195	38025	7417875
161	25921	4173281	196	38416	7529536
162	26244	4251528	197	38809	7645373
163	26569	4330747	198	39204	7762392
164	26896	4410944	199	39601	7880599
165	27225	4492125	200	40000	8000000
166	27556	4574296	201	40401	8120601
167	27889	4657463	202	40804	8242408
168	28224	4741632	203	41209	8365427
169	28561	4826809	204	41616	8489664
170	28900	4913000	205	42025	8615125
171	29241	5000211	206	42436	8741816
172	29584	5088448	207	42849	8869743
173	29929	5177717	208	43264	8998912
174	30276	5268024	209	43681	9129329
175	30625	5359375	210	44100	9261000

R.	Q.	C.	R.	Q.	C.
211	44521	9393931	246	60516	14886936
212	44944	9528128	247	61009	15069223
213	45369	9663597	248	61504	15252992
214	45796	9800344	249	62001	15438249
215	46225	9938375	250	62500	15625000
216	46656	10077696	251	63001	15813251
217	47089	10218313	252	63504	16003008
218	47524	10360232	253	64009	16194277
219	47961	10503459	254	64516	16387064
220	48400	10648000	255	65025	16581375
221	48841	10793861	256	65536	16777216
222	49284	10941048	257	66049	16974593
223	49729	11089567	258	66564	17173512
224	50176	11239424	259	67081	17373979
225	50625	11390625	260	67600	17576000
226	51076	11543176	261	68121	17779581
227	51529	11697083	262	68644	17984728
228	51984	11852352	263	69169	18191447
229	52441	12008989	264	69696	18399744
230	52900	12167000	265	70225	18609625
231	53361	12326391	266	70756	18821096
232	53824	12487168	267	71289	19034163
233	54289	12649337	268	71824	19248832
234	54756	12812904	269	72361	19465109
235	55225	12977875	270	72900	19683000
236	55696	13144256	271	73441	19902511
237	56169	13312053	272	73984	20123648
238	56644	13481272	273	74529	20346417
239	57121	13651919	274	75076	20570824
240	57600	13824000	275	75625	20796875
241	58081	13997521	276	76176	21024576
242	58564	14172488	277	76729	21253933
243	59049	14348907	278	77284	21484952
244	59536	14526784	279	77841	21717639
245	60025	14706125	280	78400	21952000

R.	Q.	C.	R.	Q.	C.
281	78961	22188041	316	99856	31554496
282	79524	22425768	317	100489	31855013
283	80089	22665187	318	101124	32157432
284	80656	22906304	319	101761	32461759
285	81225	23149125	320	102400	32768000
286	81796	23393656	321	103041	33076161
287	82369	23639903	322	103684	33386248
288	82944	23887872	323	104329	33698267
289	83521	24137569	324	104976	34012224
290	84100	24389000	325	105625	34328125
291	84681	24642171	326	106276	34645976
292	85264	24897088	327	106929	34965783
293	85849	25153757	328	107584	35287552
294	86436	25412184	329	108241	35611289
295	87025	25672375	330	108900	35927000
296	87616	25934336	331	109561	36264691
297	88209	26198073	332	110224	36594368
298	88804	26463592	333	110889	36926037
299	89401	26730899	334	111556	37259704
300	90000	27000000	335	112225	37595375
301	90601	27270901	336	112896	37933056
302	91204	27543608	337	113569	38272753
303	91809	27818127	338	114244	38614472
304	92416	28094464	339	114921	38958219
305	93025	28372625	340	115600	39304000
306	93636	18652616	341	116281	39651821
307	94249	28934443	342	116964	40001688
308	94864	29218112	343	117649	40353607
309	95481	29503629	344	118336	40707584
310	96100	26791000	345	119025	41063625
311	96721	30080231	346	119716	41421736
312	97344	30371328	347	120409	41781923
313	97969	30664297	348	121104	42144192
314	98596	30959144	349	121801	42508549
315	99225	31255875	350	122500	42875000

R.	Q.	C.	R.	Q.	C.
351	123201	43243551	386	148996	57512456
352	123904	43614208	387	149769	57960603
353	124609	43986977	388	150544	58411072
354	125316	44361864	389	151321	58863869
355	126025	44738875	390	152100	59319000
356	126736	45118016	391	152881	59776471
357	127449	45499293	392	153664	60236288
358	128164	45882712	393	154449	60698457
359	128881	46268279	394	155236	61162984
360	129600	46656000	395	156025	61629875
361	130321	47045881	396	156816	62099136
362	131044	47437928	397	157609	62570773
363	131769	47832147	398	158404	63044792
364	132496	48228544	399	159201	63251199
365	133225	48627125	400	160000	64000000
366	133956	49027896	401	160801	64481201
367	134689	49430863	402	161604	64964808
368	135424	49836032	403	162409	65450827
369	136161	50243409	404	163216	65939264
370	136900	50653000	405	164025	66430125
371	137641	51064811	406	164836	66923416
372	138384	51478848	407	165649	67419143
373	139129	51895117	408	166464	67917312
374	134876	52313624	409	167281	68417929
375	140625	42734375	410	168100	68921000
76	141376	53157376	411	168921	69426531
77	142129	53582633	412	169744	69934528
78	142884	54010152	413	170569	70444997
79	143641	54439939	414	171396	70957944
80	144400	54872000	415	172225	71473375
81	145161	55306341	416	173056	71991296
82	145924	55742968	417	173889	72511713
83	146689	56181887	418	174724	73034632
84	147456	56623104	419	175561	73560059
85	148225	57066625	420	176400	74088000

N. 200.

R.	Q.	C.
421	177241	74618461
422	178084	75151448
423	178929	75686967
424	179776	76225024
425	180625	76765625
426	181476	77308776
427	182329	77854483
428	183184	78402752
429	184041	78953589
430	184900	79507000
431	185761	80062991
432	186624	80621568
433	187489	81182737
434	188356	81746504
435	189225	82312875
436	190096	82881856
437	190969	83453453
438	191844	84027672
439	192721	84604519
440	193600	85184000
441	194481	85766121
442	195364	86350888
443	196249	86938307
444	197136	87528384
445	198025	88121125
446	198916	88716536
447	199809	89314623
448	200704	89915392
449	201601	90518849
450	202500	91125000
451	203401	91733851
452	204304	92345408
453	205209	92959677
454	206116	93576664
455	207025	94196375

R.	Q.	C.
456	207936	94818816
457	208849	95443993
458	209764	96071912
459	210681	96702579
460	211600	97336000
461	212521	97972181
462	213444	98611128
463	214369	99252847
464	215296	99897344
465	216225	100544625
466	217156	101194696
467	218089	101847563
468	219024	102503232
469	219961	103161709
470	220900	103823000
471	221841	104487111
472	222784	105154048
473	223729	105823817
474	224676	106496424
475	225625	107171875
476	226576	107850176
477	227529	108531333
478	228484	109215352
479	229441	109902239
480	230400	110592000
481	231361	111284641
482	232324	111980168
483	233289	112678587
484	234256	113379904
485	235225	11408412
486	236196	11479125
487	237169	11550130
488	238144	11621427
489	239121	11693016
490	240100	11764900

R.	Q.	C.
491	241081	118370771
492	242064	119095488
493	243049	119823157
494	244036	120553784
495	245025	121287375
496	246016	122023936
497	247009	122763473
498	248004	123505992
499	249001	124251499
500	250000	125000000
501	251001	125751501
502	252004	126506008
503	253009	127263527
504	254016	128024064
505	255025	128787625
506	256036	129554216
507	257049	130323843
508	258064	131096512
509	259081	131872229
510	260100	132651000
511	261211	133432831
512	262144	134217728
513	263169	135005697
514	264196	135796744
515	265225	136590875
516	266256	137388096
517	267289	138188413
518	268324	138991832
519	269361	139798359
520	270400	140608000
521	271441	141420761
522	272484	142236648
523	273529	143055667
524	274576	143877824
525	275625	144703125
526	276676	145531576
527	277729	146363183
528	278784	147197952
529	279841	148035889
530	280900	148877000
531	281961	149721291
532	283024	150568768
533	284089	151419437
534	285156	152273304
535	286225	153130375
536	287296	153990656
537	288369	154854153
538	289444	155720872
539	290521	156590819
540	291600	157464000
541	292681	158340421
542	293764	159220088
543	294849	160103007
544	295936	160989184
545	297025	161878625
546	298116	162771336
547	299209	163667323
548	300304	164566592
549	301401	165469149
550	302500	166375000
551	303601	167284151
552	304704	168196608
553	305809	169112377
554	306916	170031464
555	308025	170953875
556	309136	171879616
557	310249	172808693
558	311364	173741112
559	312481	174676879
560	313600	175616000

R.	Q.	C.	R.	Q.	C.
561	314721	176558481	596	355216	211708736
562	315844	177504328	597	356409	212776173
563	316969	178453547	598	357604	213847192
564	318096	179406144	599	358801	214921799
565	319225	180362125	600	360000	216000000
566	320356	181321496	601	361201	217081801
567	321489	182284263	602	362404	218167208
568	322624	183250432	603	363609	219256227
569	323761	184220009	604	364816	220348864
570	324900	185193000	605	366025	221445125
571	326041	186169411	606	367236	222545016
572	327184	187149248	607	368449	223648543
573	328329	188132517	608	369664	224755712
574	329476	189119224	609	370881	225866529
575	330625	190109375	610	372100	226981000
576	331776	191102976	611	373321	228099131
577	332929	192100033	612	374544	229220928
578	334084	193100552	613	375769	230346397
579	335241	194104539	614	376996	231475544
580	336400	195112000	615	378225	232608375
581	337561	196122941	616	379456	233744896
582	338724	197137368	617	380689	234885113
583	339889	198155287	618	381924	236029032
584	341056	199176704	619	383161	237176659
585	342225	200201625	620	384400	238328000
586	343396	201230056	621	385641	239483061
587	344569	202262003	622	386884	240641848
588	345744	203297472	623	388129	241804367
589	346921	204336469	624	389376	242970624
590	348100	205379000	625	390625	244140625
591	349281	206425071	626	391876	245314376
592	350464	207474688	627	393129	246491883
593	351649	208527857	628	394384	247683152
594	352836	209584584	629	395641	248858189
595	354025	210644875	630	396900	250047000

R.	Q.	C.
631	398161	251239591
632	399424	252435968
633	400689	253636137
634	401956	254840104
635	403225	256047875
636	404496	257259456
637	405769	258474853
638	407044	259694072
639	408321	260917119
640	409600	262144000
641	410881	263374721
642	412164	264609288
643	413449	265847707
644	414736	267089984
645	416025	268336125
646	417316	269586136
647	418609	270840023
648	419904	272097792
649	421201	273359449
650	422500	274625000
651	423801	275894451
652	425104	277167808
653	426409	278445077
654	427716	279726264
655	429025	281011375
656	430336	282300416
657	431649	283593393
658	432964	284890312
659	434281	286191179
660	435600	287496000
661	436921	288804781
662	438244	290117528
663	439569	291434247
664	440896	292754944
665	442225	294079625
666	443556	295408296
667	444889	296740963
668	446224	298077632
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670	448900	300763000
671	450241	302111711
672	451584	303464448
673	452929	304821217
674	454276	306182024
675	455625	307546875
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677	458329	310288733
678	459684	311665752
679	461041	313046839
680	462400	314432000
681	463761	315821241
682	465124	317214568
683	466489	318611987
684	467856	320013504
685	469225	321419125
686	470596	322828856
687	471969	324242703
688	473344	325660672
689	474721	327082769
690	476100	328509000
691	477481	329939371
992	478864	331373888
693	480249	332812557
694	481636	334255384
695	483025	335702375
696	484416	337173536
697	485809	338608873
698	487204	340068392
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R.	Q.	C.
701	491401	344472101
702	492804	345948408
703	494209	347428927
704	495616	348913664
705	497025	350402625
706	498436	351895816
707	499849	353393243
708	501264	354894912
709	502681	356400829
710	504100	357911000
711	505521	359425431
712	506944	360944128
713	508369	362467097
714	509796	363994344
715	511225	365525875
716	512656	367061696
717	514089	368601813
718	515524	370146232
719	516961	371694959
720	518400	373248000
721	519841	374805361
722	521284	376367048
723	522729	377933067
724	524176	379503424
725	525625	381078125
726	527076	382657176
727	528529	384240583
728	529984	385828352
729	531441	387420489
730	532900	389017000
731	534361	390617891
732	535824	392223168
733	537289	393832837
734	538756	395446904
735	540225	397065375
736	541696	398688256
737	543169	400315553
738	544644	401947272
739	546121	403583419
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741	549081	406869021
742	550564	408518488
743	552049	410172407
744	553536	411830784
745	555025	413493625
746	556516	415160936
747	558009	416832723
748	559504	418508992
749	561001	420189749
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752	565504	425259008
753	567009	426957777
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759	576081	437245479
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762	580644	442450728
763	582169	444194947
764	583696	445943744
765	585225	447697125
766	586756	449455096
767	588289	451217663
768	589824	452984832
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770	592900	456533000

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773	597529	461889917
774	599076	463684824
775	600625	465484375
776	602176	467288576
777	603729	469097433
778	605284	470910952
779	606841	472729139
780	608400	474552000
781	609961	476379541
782	611524	478211768
783	613089	480048687
784	614656	481890304
785	616225	483736625
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787	619369	487443403
788	620944	489303872
789	622521	491169069
790	624100	493039000
791	625681	494913671
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793	628849	498677257
794	630436	500566184
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796	633616	504358336
797	635209	506261573
798	636804	508169592
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803	644809	517781627
804	646416	519718464
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806	649636	523606616
807	651249	525557943
808	952864	527514112
809	654481	529475129
810	656100	531441000
811	657721	533411731
812	659344	535387328
813	660969	537367797
814	662596	539353144
815	664225	541343375
816	665856	543338496
817	667489	545338513
818	669124	547343432
819	670761	549353259
820	672400	551368000
821	674041	553387661
822	675684	555412248
823	677329	557441767
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827	683929	565609283
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832	692224	575930368
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836	698896	584277056
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838	702244	588480472
839	703921	590589719
840	705600	592704000

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842	708964	596947688
843	710649	599077107
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847	717409	607645423
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849	720801	611960049
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852	725904	618470208
853	727609	620650477
854	729316	622835864
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856	732736	627222016
857	734449	629422793
858	736164	631628712
859	737881	633839779
860	739600	636056000
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863	744769	642735647
864	746496	644972544
865	748225	647214625
866	749956	649461896
867	751689	651714363
868	753424	653972032
869	755161	656234909
870	756900	658503000
871	758641	660776311
872	760384	663054848
873	762129	665338617
874	763876	667627624
875	765625	669921875
876	767376	672221376
877	769129	674526133
878	770884	676836152
879	772641	679151439
880	774400	681472000
881	776161	683797841
882	777924	686128968
883	779689	688465387
884	781456	690807104
885	783225	693154125
886	784996	695506456
887	786769	697864103
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889	790321	702595369
890	792100	704969000
891	793881	707347971
892	795664	709732288
893	797449	712121957
894	799236	714516984
895	801025	716917375
896	802816	71932313
897	804609	72173427
898	806404	72415079
899	808201	72657269
900	810000	72900000
901	811801	73143270
902	813604	73387080
903	815409	73631432
904	817216	73876326
905	819025	74121762
906	820836	74367741
907	822649	74614264
908	824464	74861331
909	826281	75108942
910	828100	75357100

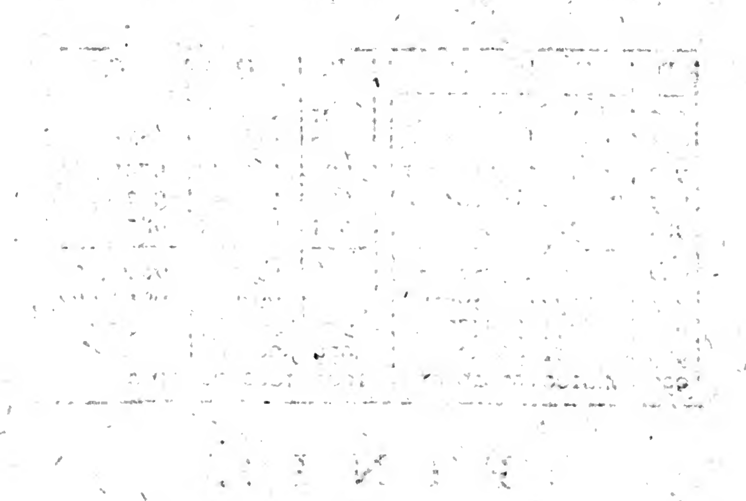
R.	Q.	C.	R.	Q.	C.
911	829921	756058031	946	894916	846590536
912	831744	758550528	947	896809	849278123
913	833569	761048497	948	898704	851971392
914	835396	763551944	949	900601	854670349
915	837225	766060875	950	902500	857375000
916	839056	768575296	951	904401	860085351
917	840889	771095213	952	906304	862801408
918	842724	773620632	953	908209	865523177
919	844561	776151559	954	910116	868250664
920	846400	778688000	955	912025	870983875
921	848241	781229961	956	913936	873722816
922	850084	783777448	957	915849	876467493
923	851929	786330467	958	917764	879217912
924	853776	788889024	959	919681	881974079
925	855625	791453125	960	921600	884736000
926	857476	794022776	961	923521	887503681
927	859329	796597983	962	925444	890277128
928	861184	799178752	963	927369	893056347
929	863041	801765089	964	929296	895841344
930	864900	804357000	965	931225	898632125
931	866761	806954491	966	933156	901428696
932	868624	809557568	967	935089	904231063
933	870489	812166237	968	937024	907039232
934	872356	814780504	969	938961	909853209
935	874225	817400375	970	940900	912673000
936	876096	820025856	971	942841	915498611
937	877969	822656953	972	944784	918330048
938	879844	825293672	973	946729	921167317
939	881721	827936019	974	948676	924010424
940	883600	830584000	975	950625	926859375
941	885481	833237621	976	952576	929714176
942	887364	835896888	977	954529	932574833
943	889249	838561807	978	956484	935441352
944	891136	841232384	979	958441	938313739
945	893025	843908625	980	960400	941192000

R.	Q.	C.	R.	Q.	C.
981	962361	944076141	991	982081	973242271
982	964324	946966168	992	984064	976191488
983	966289	949862087	993	986049	979146657
984	968256	952763904	994	988036	982107784
985	970225	955671625	995	990025	985074875
986	972196	958585256	996	992016	988047936
987	974169	961504803	997	994009	991026973
988	976144	964430272	998	996004	994011992
989	978121	967361669	999	998001	997002999
990	980100	970299000	1000	1000000	1000000000

FINIS.

A. M. D. G.





CANON TRIANGULORUM,

CONTINENS

SINUS ET TANGENTES

AD

SINGULA MINUTA PRIMA.

Minut.	0. Grad. Sinus.	Tang.	Minut.	89. Grad. Sinus.	Tang.
0	0	0	60	10000000	Infinit.
1	29.09	29.09	59	99999.99	343774667.
2	58.18	58.18	58	99999.98	171887319.
3	87.27	87.27	57	99999.96	114591530.
4	116.36	116.36	56	99999.93	85943630.
5	145.44	145.44	55	99999.89	68754887.
6	174.53	174.53	54	99999.84	57295721.
7	203.62	203.62	53	99999.79	49110660.
8	232.71	232.71	52	99999.73	42971757.
9	261.80	261.80	51	99999.66	38197099.
10	290.89	290.89	50	99999.58	34377371.
11	319.98	319.98	49	99999.49	31252137.
12	349.06	349.07	48	99999.39	28647773.
13	378.15	378.16	47	99999.28	26444080.
14	407.24	407.25	46	99999.17	24555198.
15	436.33	436.33	45	99999.05	22918166.
16	465.42	465.42	44	99998.92	21485762.
17	494.51	494.51	43	99998.78	20221875.
18	523.60	523.60	42	99998.63	19098419.
19	552.68	552.69	41	99998.47	18093220.
20	581.77	581.78	40	99998.30	17188540.
21	610.86	610.87	39	99998.13	16370019.
22	639.95	639.96	38	99997.95	15625908.
23	669.04	669.05	37	99997.76	14946502.
24	698.13	698.14	36	99997.56	14323712.
25	727.21	727.23	35	99997.36	13750745.
26	756.30	756.32	34	99997.14	13221851.
27	785.39	785.41	33	99996.92	12732134.
28	814.48	814.50	32	99996.68	12277396.
29	843.57	843.60	31	99996.44	11854018.
30	872.65	872.69	30	99996.19	11458865.

N. 212.

Minut.	0. Grad. Sinus.	Tang.	Minut.	89. Grad. Sinus.	Tang.
30	872.65	872.69	30	99996.19	11458865.0
31	901.74	901.78	29	99995.93	11089205.1
32	930.83	930.87	28	99995.66	10742648.4
33	959.92	959.96	27	99995.39	10417094.5
34	989.00	989.05	26	99995.11	10110690.2
35	1018.09	1018.14	25	99994.82	9821794.3
36	1047.18	1047.24	24	99994.52	9548947.5
37	1076.27	1076.33	23	99994.21	9290848.7
38	1105.35	1105.42	22	99993.89	9046333.6
39	1134.44	1134.51	21	99993.56	8814357.2
40	1163.53	1163.61	20	99993.23	8593979.1
41	1192.61	1192.70	19	99992.89	8384350.7
42	1221.70	1221.79	18	99992.54	8184704.1
43	1250.79	1250.88	17	99992.18	7994343.0
44	1279.87	1279.98	16	99991.81	7812634.2
45	1308.96	1309.07	15	99991.43	7639000.9
46	1338.05	1338.17	14	99991.04	7472916.5
47	1367.13	1367.26	13	99990.65	7313899.1
48	1396.22	1396.35	12	99990.25	7161507.0
49	1425.30	1425.45	11	99989.84	7015335.6
50	1454.39	1454.54	10	99989.42	6875008.7
51	1483.48	1483.64	9	99988.99	6740185.4
52	1512.56	1512.73	8	99988.55	6610547.[illegible]
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54	1570.73	1570.93	6	99987.66	6365674.[illegible]
55	1599.82	1600.02	5	99987.20	6249915.[illegible]
56	1628.90	1629.12	4	99986.73	6138290.[illegible]
57	1657.99	1658.21	3	99986.25	6030582.[illegible]
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59	1716.16	1716.41	1	99985.27	5826117.[illegible]
60	1745.24	1745.51	0	99984.77	5728996.

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0	1745.24	1745.51	60	99984.77	5728969.16
1	1774.32	1774.60	59	99984.26	5635058.96
2	1803.41	1803.70	58	99983.74	5544151.67
3	1832.49	1832.80	57	99983.21	5456130.03
4	1861.58	1861.90	56	99682.67	5370858.75
5	1890.66	1891.00	55	99982.12	5288210.91
6	1919.74	1920.10	54	99981.57	5208067.26
7	1948.83	1949.20	53	99981.01	5130315.66
8	1977.91	1978.30	52	99980.44	5054850.59
9	2006.99	2007.40	51	99979.86	4981572.64
10	2036.08	2036.50	50	99979.27	4910388.06
11	2065.16	2065.60	49	99978.67	4841208.41
12	2094.24	2094.70	48	99978.06	4773950.14
13	2123.32	2123.80	47	99977.45	4708534.30
14	2152.41	2152.91	46	99976.83	4644886.20
15	2181.49	2182.01	45	99976.20	4582935.12
16	2210.57	2211.11	44	99975.56	4522614.07
17	2239.65	2240.21	43	99974.91	4463859.56
18	2268.73	2269.32	42	99674.25	4406611.32
19	2297.81	2298.42	41	99973.59	4350812.16
20	2326.90	2327.53	40	99972.92	4296407.73
21	2355.98	2356.63	39	99972.24	4243346.39
22	2385.06	2385.74	38	99971.55	4191578.99
23	2414.14	2414.84	37	99970.85	4141058.76
24	2443.22	2443.95	36	99970.14	4091741.16
25	2472.30	2473.05	35	99969.43	4043583.75
26	2501.38	2502.16	34	99968.71	3996546.05
27	2530.46	2531.27	33	99967.98	3950589.46
28	2559.54	2560.38	32	99967.24	3905677.11
29	2588.62	2589.48	31	99966.49	3861773.81
30	2617.69	2618.59	30	99965.73	3818845.93

Minut.	1. Grad. Sinus.	1. Grad. Tang.	Minut.	88. Grad. Sinus.	88. Grad. Tang.
30	2617.69	2618.59	30	99965.73	3818845.93
31	2646.77	2647.70	29	99964.96	3776861.30
32	2675.85	2676.81	28	99964.19	3735789.17
33	2704.93	2705.92	27	99963.41	3695600.11
34	2734.01	2735.03	26	99962.62	3656265.92
35	2763.09	2764.14	25	99961.82	3617759.62
36	2792.16	2793.25	24	99961.01	3580055.33
37	2821.24	2822.36	23	99960.20	3543128.25
38	2850.32	2851.48	22	99959.36	3506954.58
39	2879.40	2880.59	21	99958.53	3471511.50
40	2908.47	2909.70	20	99957.69	3436777.09
41	2937.55	2938.82	19	99956.84	3402730.29
42	2966.62	2967.93	18	99955.98	3369350.89
43	2995.70	2997.05	17	99955.11	3336619.45
44	3024.78	3026.16	16	99954.24	3304517.27
45	3053.85	3055.28	15	99953.36	3273026.37
46	3082.93	3084.39	14	99952.47	3242129.46
47	3112.00	3113.51	13	99951.57	3211809.88
48	3141.08	3142.63	12	99950.66	3282051.60
49	3170.15	3171.74	11	99949.74	3152839.16
50	3199.22	3200.86	10	99948.81	3124157.67
51	3228.30	3229.98	9	99947.88	3095992.80
52	3257.37	3259.10	8	99946.94	3068330.70
53	3286.44	3288.22	7	99945.99	3041158.02
54	3315.52	3317.34	6	99945.03	3014461.89
55	3344.59	3346.46	5	99944.06	2988229.86
56	3373.66	3375.58	4	99943.08	2962449.95
57	3402.73	3404.71	3	99942.09	2937110.55
58	3431.81	3433.83	2	99941.10	2912200.47
59	3460.88	3462.95	1	99940.09	2887708.88
60	3489.95	3492.08	0	99639.08	2863625.33

Minut.	2. Grad. Sinus.	Tang.	Minut.	87. Grad. Sinus.	Tang.
0	3489.95	3492.08	60	99939.08	2863625.33
1	3519.02	3521.20	59	99938.06	2839939.69
2	3548.09	3550.33	58	99937.03	2816642.18
3	3577.16	3579.45	57	99935.99	2793723.33
4	3606.23	3608.58	56	99934.95	2771173.99
5	3635.30	3637.71	55	99933.90	1748985.28
6	3664.37	3666.83	54	99932.84	2727148.61
7	3693.44	3695.96	53	99931.77	2705655.68
8	3722.51	3725.09	52	99930.69	2684498.43
9	3751.58	3754.22	51	99929.60	2663669.04
10	3780.65	3783.35	50	99928.51	2643159.96
11	3809.71	3812.48	49	99927.40	2622963.84
12	3838.78	3841.61	48	99926.29	2603073.58
13	3867.85	3870.74	47	99925.17	2583482.27
14	3896.91	3899.88	46	99924.04	2564183.23
15	3925.98	3929.01	45	99922.90	2545169.96
16	3955.05	3958.14	44	99921.75	2526436.15
17	3984.11	3987.28	43	99920.60	2507975.68
18	4013.18	4016.41	42	99919.44	2489782.62
19	4042.24	4045.55	41	99918.27	2471851.19
20	4071.31	4074.69	40	99917.09	2454175.78
21	4100.37	4103.83	39	99915.90	2436750.95
22	4129.44	4132.96	38	99914.70	2419571.40
23	4158.50	4162.10	37	99913.49	2402631.99
24	4187.57	4191.24	36	99912.28	2385927.72
25	4216.63	4220.38	35	99911.06	2369453.72
26	4245.69	4249.52	34	99909.83	2353205.25
27	4274.75	4278.66	33	99908.59	2337177.72
28	4304.82	4307.81	32	99907.34	2321366.65
29	4332.88	4336.95	31	99906.08	2305767.67
30	4361.94	4366.09	30	99904.82	2290376.55

Minut.	2. Grad. Sinus.	2. Grad. Tang.	Minut.	87. Grad. Sinus.	87. Grad. Tang.
30	4361.94	4366.09	30	99904.82	2290376.55
31	4391.00	4395.24	29	99903.55	2275189.16
32	4420.06	4424.38	28	99902.27	2260201.48
33	4449.12	4453.53	27	99900.98	2245409.59
34	4478.18	4482.68	26	99899.68	2230809.67
35	4507.24	4511.82	25	99898.37	2216398.02
36	4536.30	4540.97	24	99897.05	2202171.00
37	4565.36	4570.12	23	99895.73	2188125.10
38	4594.42	4599.27	22	99894.40	2174256.87
39	4623.47	4628.42	21	99893.06	2160562.96
40	4652.53	4657.57	20	99891.71	2147040.10
41	4681.59	4686.73	19	99890.35	2133685.11
42	4710.64	4715.88	18	99888.98	2120494.88
43	4739.70	4745.03	17	99887.61	2107466.37
44	4768.76	4774.19	16	99886.23	2094596.63
45	4797.81	4803.34	15	99884.84	2081882.76
46	4826.87	4832.50	14	99883.44	2069321.96
47	4855.92	4861.66	13	99882.03	2056911.47
48	4884.98	4890.82	12	99880.61	2044648.61
49	4914.03	4919.97	11	99879.19	2032530.75
50	4943.08	4949.13	10	99877.75	2020555.35
51	4972.14	4978.29	9	99876.31	2008719.89
52	5001.19	5007.46	8	99874.86	1997021.95
53	5030.24	5036.62	7	99873.40	1985459.12
54	5059.29	5065.78	6	99871.93	1974029.10
55	5088.35	5094.95	5	99870.45	1962729.59
56	5117.40	5124.11	4	99868.97	1951558.37
57	5146.45	5153.28	3	99867.48	1940513.27
58	5175.50	5182.44	2	99865.98	1929592.17
59	5204.55	5211.61	1	99864.47	1918792.98
60	5233.60	5240.78	0	99862.95	1908113.67

Minut.	3. Grad.		Minut.	86. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
0	5233.60	5240.78	60	99862.95	1908113.67
1	5262.64	5269.95	59	99861.42	1897552.26
2	5291.69	5299.12	58	99859.89	1887106.80
3	5320.74	5238.29	57	99858.35	1876775.39
4	5349.79	5357.46	56	99856.80	1866556.18
5	5378.83	5386.63	55	99855.24	1856447.34
6	5407.88	5415.81	54	99853.67	1846447.09
7	5436.93	5444.98	53	99852.09	1836553.70
8	5465.97	5474.16	52	99850.50	1826765.44
9	5495.02	5503.33	51	99848.91	1817080.67
10	5524.06	5532.51	50	99847.31	1807497.74
11	5553.11	5561.69	49	99845.70	1798015.05
12	5582.15	5590.87	48	99844.08	1788631.04
13	5611.19	5620.05	47	99842.45	1779344.17
14	5640.24	5649.23	46	99840.81	1770152.94
15	5669.28	5678.41	45	99839.16	1761055.88
16	5698.32	5707.59	44	99837.51	1752051.55
17	5727.36	5736.78	43	99835.85	1743138.54
18	5756.40	5765.96	42	99834.18	1734315.46
19	5785.44	5795.15	41	99832.50	1725580.95
20	5814.48	5824.34	40	99830.81	1716933.69
21	5843.52	5853.52	39	99829.11	1708372.38
22	5872.56	5882.71	38	99827.41	1699895.74
23	5901.60	5911.90	37	99825.70	1691502.51
24	5930.64	5941.09	36	99823.98	1683191.48
25	5959.67	5970.29	35	99822.25	1674961.44
26	5988.71	5999.48	34	99820.51	1666811.20
27	6017.75	6028.67	33	99818.76	1658739.62
28	6046.78	6057.87	32	99817.01	1650745.55
29	6075.82	6087.06	31	99815.25	1642827.89
30	6104.85	6116.26	30	99813.48	1634985.55

Minut.	3. Grad.		Minut.	86. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
30	6104.85	6116.26	30	99813.48	1634985.55
31	6133.89	6145.46	29	99811.70	1627217.44
32	6162.92	6174.66	28	99809.91	1619522.53
33	6191.96	6203.86	27	99808.11	1611899.79
34	6220.99	6233.06	26	99806.30	1604348.19
35	6250.02	6262.26	25	99804.49	1596866.74
36	6279.05	6291.47	24	99802.67	1589454.48
37	6308.08	6320.67	23	99800.84	1582110.45
38	6337.11	6349.88	22	99799.00	1574833.71
39	6366.14	6379.08	21	99797.15	1567623.33
40	6395.17	6408.29	20	99795.29	1560478.41
41	6424.20	6437.50	19	99793.43	1553398.06
42	6453.23	6466.71	18	99791.56	1546381.41
43	6482.26	6495.92	17	99789.68	1539427.60
44	6511.29	6525.13	16	99787.79	1532535.80
45	6540.31	6554.35	15	99785.89	1525705.17
46	6569.34	6583.56	14	99783.98	1518934.90
47	6598.36	6612.78	13	99782.06	1512224.20
48	6627.39	6641.99	12	99780.14	1550572.72
49	6656.41	6671.21	11	99778.21	1498978.36
50	6685.44	6700.43	10	99776.27	1492441.70
51	6714.46	6729.65	9	99774.32	1485961.55
52	6743.48	6758.87	8	99772.36	1479537.18
53	6772.51	6788.09	7	99770.29	1473167.87
54	6801.53	6817.32	6	99768.42	1466852.92
55	6830.55	6846.54	5	99766.44	1460591.63
56	6859.57	6875.77	4	99764.45	1454383.32
57	6888.59	6904.99	3	99762.45	1448227.32
58	6917.61	6934.22	2	99760.44	1442122.97
59	6946.63	6963.45	1	99758.42	1436069.61
60	6975.65	6992.68	0	99756.40	1430066.63

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Minut.	4. Grad. Sinus.	Tang.	Minut.	85. Grad. Sinus.	Tang.
0	6975.65	6992.68	60	99756.40	1430066.63
1	7004.66	7021.91	59	99754.37	1424113.37
2	7033.68	7051.15	58	99752.33	1418209.24
3	7062.70	7080.38	57	99750.28	1412353.63
4	7091.71	7109.61	56	99748.22	1406545.93
5	7120.73	7138.85	55	99746.15	1400785.56
6	7149.74	7168.09	54	99744.07	1395071.94
7	7178.76	7197.33	53	99741.99	1389404.51
8	7207.77	7226.57	52	99739.90	1383782.70
9	7236.78	7255.81	51	99737.80	1378205.98
10	7265.80	7285.05	50	99735.69	1372673.79
11	7294.81	7314.30	49	99733.57	1367185.60
12	7323.82	7343.54	48	99731.44	1361740.89
13	7352.83	7372.79	47	99729.31	1356339.15
14	7381.84	7402.03	46	99727.17	1350979.86
15	7410.85	7431.28	45	99725.02	1345662.53
16	7439.86	7460.53	44	99722.86	1340386.67
17	7468.87	7489.79	43	99720.69	1335151.79
18	7497.87	7519.04	42	99718.51	1329957.41
19	7526.88	7548.29	41	99716.32	1324803.07
20	7555.89	7577.55	40	99714.13	1319688.30
21	7584.89	7606.80	39	99711.93	1314612.66
22	7613.90	7636.06	38	99709.72	1309575.68
23	7642.90	7665.32	37	99707.50	1304576.93
24	7671.90	7694.58	36	99705.27	1299615.98
25	7700.91	7723.84	35	99703.03	1294692.40
26	7729.91	7753.11	34	99700.79	1289805.70
27	7758.91	7782.37	33	99698.54	1284955.66
28	7787.91	7811.64	32	99696.28	1280141.68
29	7816.91	7840.90	31	99694.01	1275363.41
30	7845.91	7870.17	30	99691.73	1270620.47

Minut.	4. Grad. Sinus.	Tang.	Minut.	85. Grad. Sinus.	Tang.
30	7845.91	7870.17	30	99691.73	1270620.47
31	7874.91	7899.44	29	99689.44	1265912.46
32	7903.91	7928.71	28	99687.15	1261239.00
33	7932.90	7957.98	27	99684.85	1256599.71
34	7961.90	7987.26	26	99682.54	1251994.20
35	7990.90	8016.53	25	99680.22	1247422.12
36	8019.89	8045.81	24	99677.89	1242883.10
37	8048.89	8075.09	23	99675.55	1238376.79
38	8077.88	8104.37	22	99673.20	1233902.82
39	8106.87	8133.65	21	99670.85	1229460.85
40	8135.87	8162.93	20	99668.49	1225050.55
41	8164.86	8192.21	19	99666.12	1220671.56
42	8193.85	8221.50	18	99663.74	1216323.56
43	8222.84	8250.78	17	99661.35	1212006.22
44	8251.83	8280.07	16	99658.95	1207719.22
45	8280.82	8309.36	15	99656.55	1203462.23
46	8309.81	8338.65	14	99654.14	1199234.95
47	8338.80	8367.94	13	99651.72	1195037.05
48	8367.78	8397.23	12	99649.29	1190868.24
49	8396.77	8426.53	11	99646.85	1186728.21
50	8425.76	8455.83	10	99644.40	1182616.67
51	8454.74	8485.12	9	99641.94	1178533.31
52	8483.73	8514.42	8	99639.48	1174477.86
53	8512.71	8543.72	7	99637.01	1170450.03
54	8541.69	8573.02	6	99634.53	1166449.53
55	8570.67	8602.33	5	99632.04	1162476.08
56	8599.66	8631.63	4	99629.54	1158529.4[illegible]
57	8628.64	8660.94	3	99627.03	1154609.27
58	8657.62	8690.25	2	99624.52	1150715.3[illegible]
59	8686.60	8719.56	1	99622.00	1146847.4[illegible]
60	8715.57	8748.87	0	99619.47	1143005.2[illegible]

Minut.	5. Grad. Sinus.	Tang.	Minut.	84. Grad. Sinus.	Tang.
0	8715.57	8748.87	60	99619.47	1143005.23
1	8744.55	8778.18	59	99616.93	1139188.49
2	8773.53	8807.49	58	99614.38	1135396.96
3	8802.51	8836.81	57	99611.82	1131630.40
4	8831.48	8866.12	56	99609.26	1127888.55
5	8860.46	8895.44	55	99606.69	1124171.17
6	8889.43	8924.76	54	99604.11	1120478.03
7	8918.40	9854.08	53	99601.52	1116808.88
8	8947.38	8983.41	52	99598.92	1113163.50
9	8976.35	9012.73	51	99596.31	1109541.64
10	9005.32	9042.06	50	99593.69	1105943.10
11	9034.29	9071.38	49	99591.07	1102367.63
12	9063.26	9100.71	48	99588.44	1098815.01
13	9092.23	9130.04	47	99585.80	1095285.04
14	9121.19	9159.38	46	99583.15	1091777.49
15	9150.16	9188.71	45	99580.49	1088292.14
16	9179.13	9218.04	44	99577.82	1084828.80
17	9208.09	9247.38	43	99575.15	1081387.24
18	9237.06	9276.72	42	99572.47	1077967.27
19	9266.02	9306.09	41	99569.78	1074568.68
20	9294.99	9335.40	40	99567.08	1071191.26
21	9323.95	9364.74	39	99564.37	1067834.84
22	9352.91	9394.09	38	99561.65	1064499.19
23	9381.87	9423.44	37	99558.92	1061184.14
24	9410.83	9452.78	36	99556.19	1057889.50
25	9439.79	9482.13	35	99553.45	1054615.07
26	9468.75	9511.48	34	99550.70	1051360.67
27	9497.71	9540.84	33	99547.94	1048126.11
28	9526.66	9570.19	32	99545.17	1044911.22
29	9555.62	9599.55	31	99542.40	1041715.81
30	9584.58	9628.90	30	99539.62	1038539.71

Minut.	5. Grad. Sinus.	5. Grad. Tang.	Minut.	84. Grad. Sinus.	84. Grad. Tang.
30	9584.58	9628.90	30	99539.62	1038539.71
31	9613.53	9658.26	29	99536.83	1035382.74
32	9642.48	9687.63	28	99534.03	1032244.73
33	9671.44	9716.99	27	99531.22	1029125.51
34	9700.39	9746.35	26	99528.40	1026024.90
35	9729.34	9775.72	25	99525.57	1022942.76
36	9758.29	9805.09	24	99522.74	1019878.90
37	9787.24	9834.46	23	99519.90	1016833.16
38	9816.19	9863.83	22	99517.05	1013805.39
39	9845.14	9893.20	21	99514.19	1010795.42
40	9874.08	9922.57	20	99511.32	1007803.11
41	9903.03	9951.95	19	99508.44	1004828.28
42	9931.97	9981.33	18	99505.55	1001870.80
43	9960.92	10010.71	17	99502.66	998930.50
44	9989.86	10040.09	16	99499.76	996007.24
45	10019.81	10069.47	15	99496.85	993100.88
46	10047.75	10098.85	14	99493.93	990211.25
47	10076.69	10128.24	13	99491.00	987338.23
48	10105.63	10157.63	12	99488.06	984481.66
49	10134.57	10187.02	11	99485.12	981641.40
50	10163.51	10216.41	10	99482.17	978817.32
51	10192.45	10245.80	9	99479.21	976009.27
52	10221.38	10275.20	8	99476.24	973217.13
53	10250.32	10304.60	7	99473.26	970440.75
54	10279.25	10334.00	6	99470.27	967680.00
55	10308.19	10363.40	5	99467.28	964934.75
56	10337.12	10392.80	4	99464.28	962204.86
57	10366.05	10422.20	3	99461.27	959490.22
58	10394.99	10451.60	2	99458.25	956790.68
59	10423.92	10481.01	1	99455.22	954106.13
60	10452.85	10510.42	0	99452.18	951436.45

Minut.	6. Grad. Sinus.	6. Grad. Tang.	Minut.	83. Grad. Sinus.	83. Grad. Tang.
0	10452.85	10510.42	60	99452.18	951436.45
1	10481.78	10539.83	59	99449.14	948781.49
2	10510.70	10569.24	58	99446.09	946141.16
3	10539.63	10598.66	57	99443.03	943515.31
4	10568.56	10628.08	56	99439.96	940903.84
5	10597.48	10657.50	55	99436.88	938306.63
6	10626.41	10686.92	54	99433.79	935723.55
7	10655.33	10716.34	53	99430.69	933154.50
8	10684.25	10745.76	52	99427.59	930599.36
9	10713.18	10775.19	51	99424.48	928058.02
10	10742.10	10804.62	50	99421.36	925530.35
11	10772.02	10834.05	49	99418.23	923016.27
12	10799.94	10863.48	48	99415.09	920515.64
13	10828.85	10892.91	47	99411.94	918028.38
14	10857.77	10922.34	46	99408.79	915554.36
15	10886.69	10951.78	45	99405.63	913093.48
16	10915.60	10981.22	44	99402.46	910645.64
17	10944.52	11010.66	43	99399.28	908210.74
18	10973.43	11040.10	42	99396.09	905788.67
19	11002.34	11069.54	41	99392.89	903379.33
20	11031.26	11098.99	40	99389.69	900982.61
21	11060.17	11128.44	39	99386.48	898598.43
22	11089.08	11157.89	38	99383.26	896226.68
23	11117.99	11187.34	37	99380.03	893867.26
24	11146.89	11216.79	36	99376.79	891520.08
25	11175.80	11246.25	35	99373.54	889185.05
26	11204.71	11275.71	34	99370.28	886862.06
27	11233.61	11305.17	33	99367.02	884551.03
28	11262.52	11334.63	32	99363.75	882251.86
29	11291.42	11364.09	31	99360.47	879964.46
30	11320.32	11393.56	30	99357.18	877688.74

Minut.	6. Grad. Sinus.	6. Grad. Tang.	Minut.	83 Grad. Sinus.	83 Grad. Tang.
30	11320.32	11393.56	30	99357.18	877688.74
31	11349.22	11423.03	29	99353.88	875424.61
32	11378.12	11452.50	28	99350.58	873171.98
33	11407.02	11481.97	27	99347.27	870930.77
34	11435.92	11511.44	26	99343.95	868700.88
35	11464.82	11540.91	25	99340.62	866482.23
36	11493.71	11570.39	24	99337.28	864274.75
37	11522.61	11599.87	23	99333.93	862078.33
38	11551.51	11629.35	22	99330.57	859892.90
39	11580.40	11658.83	21	99327.20	857718.38
40	11609.29	11688.31	20	99323.83	855554.68
41	11638.18	11717.80	19	99320.45	853401.72
42	11667.07	11747.29	18	99317.06	851259.43
43	11695.96	11776.78	17	99313.66	849127.72
44	11724.85	11806.28	16	99310.25	847006.51
45	11253.74	11835.78	15	99306.84	844895.73
46	11782.63	11865.28	14	99303.42	842795.31
47	11811.51	11894.78	13	99299.99	840705.15
48	11840.40	11924.28	12	99296.55	838625.19
49	11869.28	11953.78	11	99293.10	836555.36
50	11898.16	11983.28	10	99289.64	834495.57
51	11927.04	12012.79	9	99286.17	832445.77
52	11955.93	12041.30	8	99282.70	830405.86
53	11984.81	12071.81	7	99279.22	828375.79
54	12013.68	12101.32	6	99275.73	826355.47
55	12042.56	12130.84	5	99272.23	824344.85
56	12071.44	12160.36	4	99268.72	822343.84
57	12100.31	12189.88	3	99265.21	820352.[illegible]9
58	12129.19	12219.40	2	99261.69	818370.41
59	12158.06	12248.93	1	99258.16	816397.86
60	12186.93	12278.46	0	99254.62	814434.64

Minut.	7. Grad. Sinus.	7. Grad. Tang.	Minut.	82. Grad. Sinus.	82. Grad. Tang.
0	12186.93	12278.46	60	99254.62	814434.64
1	12215.81	12307.99	59	99251.07	812480.71
2	12244.68	12337.52	58	99247.51	810535.99
3	12273.55	12367.05	57	99243.94	808600.42
4	12302.41	12396.58	56	99240.36	806673.94
5	12331.28	12426.12	55	99236.78	804756.47
6	12360.15	12455.66	54	99233.19	802847.96
7	12389.01	12485.20	53	99229.59	800948.35
8	12417.88	12514.74	52	99225.98	799057.56
9	12446.74	12544.29	51	99222.36	797175.55
10	12475.60	12573.84	50	99218.74	795302.24
11	12504.46	12603.39	49	96215.11	793437.58
12	12533.32	12632.94	48	99211.47	791581.51
13	12562.18	12662.49	47	99207.82	789733.96
14	12591.04	12692.05	46	99204.16	787894.89
15	12619.90	12721.61	45	99200.49	786064.23
16	12648.75	12751.17	44	99196.81	784241.91
17	12677.61	12780.73	43	99193.13	782427.90
18	12706.46	12810.29	42	99189.44	780622.12
19	12735.31	12839.86	41	99185.74	778824.53
20	12764.16	12869.43	40	99182.03	777035.06
21	12793.01	12899.00	39	99178.31	775253.66
22	12821.86	12928.57	38	99174.59	773480.28
23	12850.71	12958.15	37	99170.86	771714.86
24	12879.56	12987.73	36	99167.12	769957.35
25	12908.41	13017.31	35	99163.37	768207.69
26	12937.25	13046.89	34	99159.61	766465.84
27	12966.09	13076.48	33	99155.84	764731.74
28	12994.94	13106.07	32	99152.06	763005.33
29	13023.78	13135.66	31	99148.28	761286.57
30	13052.62	13165.25	30	99144.49	759575.41

Minut.	7. Grad. Sinus.	7. Grad. Tang.	Minut.	82. Grad. Sinus.	82. Grad. Tang.
30	13054.62	13165.25	30	99144.49	759575.41
31	13081.46	13194.84	29	99140.69	757871.79
32	13110.30	13224.44	28	99136.88	756175.67
33	13139.13	13254.04	27	99133.06	754486.99
34	13167.97	13283.64	26	99129.23	752805.71
35	13196.81	13313.24	25	99125.40	751131.78
36	13225.64	13342.85	24	99121.55	749465.14
37	13254.47	13372.46	23	99117.70	747805.76
38	13283.30	13402.07	22	99113.84	746153.57
39	13312.13	13431.68	21	99109.98	744508.55
40	13340.96	13461.29	20	99106.10	742870.64
41	13369.79	13490.91	19	99102.21	741239.78
42	13398.62	13520.53	18	99098.32	739615.95
43	13427.44	13550.15	17	99094.42	737999.09
44	13456.27	13579.77	16	99090.51	736389.16
45	13485.09	13609.40	15	99086.59	734786.10
46	13513.92	13639.03	14	99082.66	733189.89
47	13542.74	13668.66	13	99078.73	731600.47
48	13571.56	13698.29	12	99074.78	730017.80
49	13600.38	13727.93	11	99070.83	728441.84
50	13629.19	13757.57	10	99066.87	726872.55
51	13658.01	13787.21	9	99062.90	725309.87
52	13686.83	13816.85	8	99058.93	723753.78
53	13715.64	13846.50	7	99054.94	722204.22
54	13744.45	13876.15	6	99050.95	720661.16
55	13773.27	13905.80	5	99046.94	719124.56
56	13802.08	13935.45	4	99042.93	717594.37
57	13830.89	13965.10	3	99038.91	716070.56
58	13859.70	13994.76	2	99034.89	714553.08
59	13888.50	14024.42	1	99030.85	713041.90
60	13917.31	14054.08	0	99026.81	711536.97

Minut.	8. Grad.		Minut.	81. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
0	13917.31	14054.08	60	99026.81	711536.97
1	13946.12	14083.74	59	99022.75	710038.26
2	13974.92	14113.41	58	99018.69	708545.73
3	14003.72	14143.08	57	99014.62	707059.34
4	14032.52	14172.75	56	99010.55	705579.05
5	14061.32	14202.43	55	99006.46	704104.82
6	14090.12	14232.11	54	99002.37	702636.62
7	14118.92	14261.79	53	98998.26	701174.41
8	14147.72	14291.47	52	98994.16	699718.06
9	14176.51	14321.15	51	98990.03	698267.81
10	14205.31	14350.84	50	98985.90	696823.35
11	14234.10	14380.53	49	98981.77	695384.73
12	14262.89	14410.22	48	98977.62	693951.92
13	14291.68	14439.91	47	98973.47	692524.89
14	14320.47	14469.61	46	98969.31	691103.59
15	14349.26	14499.31	45	98965.14	689687.99
16	14378.05	14529.01	44	98960.96	688278.07
17	14406.84	14558.71	43	98956.77	686873.78
18	14435.62	14588.42	42	98952.57	685475.08
19	14464.40	14618.13	41	98948.37	684081.96
20	14493.19	14647.84	40	98944.16	682694.37
21	14521.97	14677.55	39	98939.94	681312.27
22	14550.75	14707.27	38	98935.71	679935.65
23	14579.53	14736.99	37	98931.47	678564.46
24	14608.30	14766.71	36	98927.23	677198.67
25	14637.08	14796.44	35	98922.98	675838.26
26	14665.85	14826.17	34	98918.72	674483.18
27	14694.6	14855.90	33	98914.45	673133.41
28	14723.40	14885.63	32	98910.17	671788.91
29	14752.17	14915.36	31	98905.88	670449.66
30	14780.94	14945.10	30	98901.58	669115.62

Minut.	8. Grad.		Minut.	81. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
30	14780.94	14945.10	30	98901.58	669115.62
31	14809.71	14974.84	29	98897.28	667786.77
32	14838.48	15004.58	28	98892.97	666463.07
33	14867.24	15034.33	27	98888.65	665144.49
34	14896.01	15064.08	26	98884.32	663831.00
35	14924 77	15093.83	25	98879.98	662522.58
36	14953.53	15133.58	24	98875.64	661219.19
37	14982.30	15153.33	23	98871.28	659920.80
38	15011.06	15183.09	22	98866.92	658627.39
39	15039.81	15212.85	21	98862.55	657338.92
40	15068.57	15242.62	20	98858.17	656055.38
41	15097.33	15272.38	19	98853.78	654776.72
42	15126.08	15302.15	18	98849.38	653502.93
43	15154.84	15331.92	17	98844.98	652233.96
44	15183.59	15361.89	16	98840.57	650969.81
45	15212.34	15391.47	15	98836.15	649710.43
46	15241.09	15421.25	14	98831.72	648455.81
47	15269.84	15451.03	13	98827.28	647205.91
48	15298.58	15480.82	12	98822.83	645960.70
49	15327.33	15510.61	11	98818.38	644720.17
50	15356.07	15540.40	10	98813.92	643484.28
51	15384.82	15570.19	9	98809.45	642253.01
52	15413.56	15599 98	8	98804.97	641026.33
53	15442.30	15629.78	7	98800.48	639804.22
54	15471.04	15659.58	6	98795.98	638586.65
55	15499.78	15689.39	5	98791 48	637373.59
56	15528.51	15719.19	4	98786 97	636165.02
57	1555 .25	15749.00	3	98782.45	634960.92
58	15585.98	15778.81	2	98777.92	633761.26
59	15614.72	15808.63	1	98773.38	632566.01
60	15643.45	15838.44	0	98768.83	631375.15

Minut.	9. Grad. Sinus.	9. Grad. Tang.	Minut.	80. Grad. Sinus.	80. Grad. Tang.
0	15643.45	15838.44	60	98768.83	631375.15
1	15672.18	15868.26	59	98764.28	630188.66
2	15700.91	15898.08	58	98759.72	629006.51
3	15729.63	15927.91	57	98755.15	627828.68
4	15758.36	15957.74	56	98750.57	626655.14
5	15787.08	15987.57	55	98745.98	625485.88
6	15815.81	16017.40	54	98741.38	624320.86
7	15844.53	16047.24	53	98736.77	623160.07
8	15873.25	16077.08	52	98732.16	622003.47
9	15901.97	16106.92	51	98727.54	620851.06
10	15930.69	16136.77	50	98722.91	619702.79
11	15959.40	16166.62	49	98718.27	618558.67
12	15988.12	16196.47	48	98713.62	617418.65
13	16016.83	16226.32	47	98708.97	616282.72
14	16045.55	16256.17	46	98704.31	615150.85
15	16074.26	16286.03	45	98699.64	614023.03
16	16102.97	16315.89	44	98694.96	612899.23
17	16131.67	16345.76	43	98690.27	611779.43
18	16160.38	16375.63	42	98685.57	610663.60
19	16189.09	16405.50	41	98680.86	609551.74
20	16217.79	16435.37	40	98676.15	608443.81
21	16246.50	16465.25	39	98671.43	607339.79
22	16275.20	16495.13	38	98666.70	606239.67
23	16303.90	16525.01	37	98661.96	605143.43
24	16332.60	16554.89	36	98657.21	604051.03
25	16361.29	16584.78	35	98652.46	602962.47
26	16389.99	16614.67	34	98647.70	601877.72
27	16418.68	16644.56	33	98642.93	600796.76
28	16447.38	16674.46	32	98638.15	599719.57
29	16476.07	16704.36	31	98633.36	598646.14
30	16504.76	16734.26	30	98628.56	597576.44

Minut.	9. Grad. Sinus.	9. Grad. Tang.	Minut.	80. Grad. Sinus.	80. Grad. Tang.
30	16504.76	16734.26	30	98628.56	597576.44
31	16533.45	16764.16	29	98623.75	596510.45
32	16562.14	16794.07	28	98618.94	595448.15
33	16590.82	16823.98	27	98614.12	594389.52
34	16619.51	16853.89	26	98609.29	593334.55
35	16648.19	16883.81	25	98604.45	592283.22
36	16676.87	16913.73	24	98599.60	591235.50
37	16705.55	16943.65	23	98594.74	590191.38
38	16734.23	16973.58	22	98589.88	589150.84
39	16762.91	17003.51	21	98585.01	588113.86
40	16791.59	17033.44	20	98580.13	587080.42
41	16820.26	17063.37	19	98575.24	586050.51
42	16848.94	17093.31	18	98570.34	585024.10
43	16877.61	17123.25	17	98565.44	584001.17
44	16906.28	17153.19	16	98560.53	582981.72
45	16934.95	17183.14	15	98555.61	581965.72
46	16963.62	17213.09	14	98550.68	580953.15
47	16992.28	17243.04	13	98545.74	579944.00
48	17020.95	17273.00	12	98540.79	578938.25
49	17049.61	17302.96	11	98535.83	577935.88
50	17078.28	17332.92	10	98530.87	576936.88
51	17106.94	17362.88	9	98525.90	575941.22
52	17135.60	17392.85	8	98520.92	574948.89
53	17164.25	17422.82	7	98515.93	573959.88
54	17192.91	17452.79	6	98510.93	572974.16
55	17221.56	17482.77	5	98505.92	571991.73
56	17250.22	17512.75	4	98500.91	571012.56
57	17278.87	17542.73	3	98495.89	570036.63
58	17307.52	17572.72	2	98490.86	569063.94
59	17336.17	17602.71	1	98485.82	568094.46
60	17364.82	17632.70	0	98480.77	567128.18

Minut.	10. Grad. Sinus.	Tang.	Minut.	79. Grad. Sinus.	Tang.
0	17364.82	17632.70	60	98480.77	567128.18
1	17393.46	17662.69	59	98475.71	566165.09
2	17422.11	17692.69	58	98470.65	565205.16
3	17450.75	17722.69	57	98465.58	564248.38
4	17479.39	17752.69	56	98460.50	563294.74
5	17508.03	17782.70	55	98455.41	562344.21
6	17536.67	17812.71	54	98450.31	561396.80
7	17565.31	17842.72	53	98445.21	560452.47
8	17593.95	17872.74	52	98440.19	559511.21
9	17622.58	17902.76	51	98434.98	558573.02
10	17651.21	17932.78	50	98429.85	557637.86
11	17679.84	17962.81	49	98424.71	556705.74
12	17708.47	17992.84	48	98419.56	555776.63
13	17737.10	18022.87	47	98414.40	554850.52
14	17765.73	18052.91	46	98409.24	553927.40
15	17794.35	18082.95	45	98404.07	553007.24
16	17822.98	18112.99	44	98398.89	552090.05
17	17851.60	18143.03	43	98393.70	551175.79
18	17880.22	18173.08	42	98388.50	550264.46
19	17908.84	18203.13	41	98383.29	549356.04
20	17937.46	18233.18	40	98378.08	548450.52
21	17966.07	18263.24	39	98372.86	547547.88
22	17994.69	18293.30	38	98367.63	546648.12
23	18023.30	18323.36	37	98362.39	545751.21
24	18051.91	18353.43	36	98357.14	544857.15
25	18080.52	18383.50	35	98351.89	543965.92
26	18109.13	18413.57	34	98346.63	543077.50
27	18137.74	18443.65	33	98341.36	542191.88
28	18166.35	18473.73	32	98336.08	541309.06
29	18194.95	18503.81	31	98330.79	540429.01
30	18223.55	18533.90	30	98325.49	539551.72

Minut.	10. Grad. Sinus.	Tang.
30	18223.15	18533.90
31	18252.15	18563.99
32	18280.75	18594.08
33	18309.35	18624.18
34	18337.95	18654.28
35	18366.54	18684.38
36	18395.13	18714.49
37	18423.73	18744.60
38	18452.32	18774.71
39	18480.91	18804.83
40	18509.49	18834.95
41	18538.08	18865.07
42	18566.66	18895.20
43	18595.24	18925.33
44	18623.82	18955.46
45	18652.40	18985.59
46	18680.98	19015.73
47	18709.56	19045.87
48	18738.13	19076.02
49	18766.70	19106.17
50	18795.27	19136.32
51	18823.84	19166.48
52	18852.41	19196.64
53	18880.98	19226.80
54	18909.54	19256.96
55	18938.11	19287.13
56	18966.67	19317.30
57	18995.23	19347.48
58	19023.79	19377.66
59	19052.34	19407.84
60	19080.90	19438.03

Minut.	79. Grad. Sinus.	Tang.
30	98325.49	539551.72
29	98320.18	538677.18
28	98314.87	537805.38
27	98309.55	536936.30
26	98304.22	536069.93
25	98298.88	535206.26
24	98293.53	534345.27
23	98288.17	533486.96
22	98282.81	532631.31
21	98277.44	531778.30
20	98272.06	530927.93
19	98266.67	530080.18
18	98261.27	529235.05
17	98255.87	528392.51
16	98250.46	527552.55
15	98245.04	526715.17
14	98239.61	525880.35
13	98234.17	525048.09
12	98228.72	524218.36
11	98223.27	523391.16
10	98217.81	522566.47
9	98212.34	521744.28
8	98206.86	520924.59
7	98201.37	520107.38
6	98195.87	519292.64
5	98190.36	518480.35
4	98184.85	517670.51
3	98179.33	516863.11
2	98173.80	516058.13
1	98168.26	515255.57
0	98162.71	514455.49

Minut.	11. Grad.		Minut.	78. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
0	19080.90	19438.03	60	98162.71	514455.40
1	19109.45	19468.22	59	98157.16	513657.63
2	19138.00	19498.41	58	98151.60	512862.24
3	19166.55	19528.61	57	98146.03	512069.21
4	19195.10	19558.81	56	98140.45	511278.55
5	19223.65	19589.01	55	98134.86	510490.24
6	19252.20	19619.22	54	98129.26	509704.26
7	19280.74	19649.43	53	98123.66	508920.61
8	19309.28	19679.64	52	98118.05	508139.28
9	19337.82	19709.86	51	98112.43	507360.25
10	19366.36	19740.08	50	98106.80	506583.52
11	19394.90	19770.30	49	98101.16	505809.07
12	19423.44	19800.53	48	98095.51	505036.90
13	19451.97	19830.76	47	98089.86	504267.00
14	19480.50	19861.00	46	98084.20	503499.35
15	19509.03	19891.24	45	98078.53	502733.95
16	19537.56	19921.48	44	98072.85	501970.78
17	19566.09	19951.72	43	98067.16	501209.84
18	19594.61	19981.97	42	98061.46	500451.11
19	19623.14	20012.22	41	98055.76	499694.59
20	19651.66	70042.48	40	98050.05	498940.27
21	19680.18	20072.74	39	98044.33	498188.13
22	19708.70	20103.00	38	98038.60	497438.17
23	19737.22	20133.27	37	98032.86	496690.37
24	19765.73	20163.54	36	98027.11	495944.74
25	19794.25	20193.81	35	98021.36	495201.25
26	19822.76	20224.09	34	98015.60	494459.90
27	19851.27	20254.37	33	98009.83	493720.68
28	19879.78	20284.65	32	98004.05	492983.58
29	19908.29	20314.94	31	97998.26	492248.59
30	19936.79	20345.23	30	97992.47	491515.70

Minut.	11. Grad. Sinus.	11. Grad. Tang.	Minut.	78. Grad. Sinus.	78. Grad. Tang.
30	19936.79	20345.23	30	97992.47	491515.70
31	19965.30	20375.52	29	97986.67	490784.91
32	19993.80	20405.82	28	97980.86	490056.20
33	20022.30	20436.12	27	97975.04	489329.56
34	20050.80	20466.43	26	97969.21	488604.99
35	20079.30	20496.74	25	97963.37	487882.48
36	20107.79	20527.05	24	97957.52	487162.01
37	20136.29	20557.37	23	97951.67	486443.59
38	20164.78	20587.69	22	97945.81	485727.19
39	20193.27	20618.01	21	97939.94	485012.82
40	20221.76	20648.34	20	97934.06	484300.45
41	20250.24	20678.67	19	97928.17	483590.10
42	20278.73	20709.00	18	97922.28	482881.74
43	20307.21	20739.34	17	97916.38	482175.36
44	20335.69	20769.68	16	97910.47	481470.96
45	20364.17	20800.03	15	97904.55	480768.54
46	20392.65	20830.38	14	97898.62	480068.08
47	20421.13	20860.73	13	97892.68	479369.57
48	20449.61	20891.09	12	97886.74	478673.00
49	20478.08	20921.45	11	97880.79	477978.37
50	20506.55	20951.81	10	97874.83	477285.67
51	20535.02	20982 18	9	97868.86	476594.90
52	20563.49	21012.55	8	97862.88	475906.03
53	20591.95	21042.93	7	97856.89	475219.07
54	20620.42	21073.31	6	97850.90	474534.01
55	20648.88	21103.69	5	97844.90	473850.83
56	20677.34	21134.07	4	97838.89	473169.54
57	20705.80	21164.46	3	97832.87	472490.12
58	20734.26	21194.85	2	97826.84	471812.56
59	20762.71	21225.26	1	97820.80	471136.86
60	20791.17	21255.65	0	97814.76	470463.01

Minut.	12. Grad. Sinus.	12. Grad. Tang.	Minut.	77. Grad. Sinus.	77. Grad. Tang.
0	20791.17	21255.65	60	97814.76	470463.01
1	20819.62	21286.06	59	97808.71	469791.00
2	20848.07	21316.47	58	97802.65	469120.83
3	20876.52	21346.88	57	97796.58	468452.48
4	20904.97	21377.30	56	97790.50	467785.95
5	20933.41	21407.72	55	97784.41	467121.24
6	20961.86	21438.14	54	97778.32	466458.32
7	20990.30	21468.57	53	97772.22	465797.21
8	21018.74	21499.00	52	97766.11	465137.88
9	21047.18	21529.44	51	97759.99	464480.34
10	21075.61	21599.88	50	97753.86	463824.57
11	21104.05	21590.32	49	97747.73	463170.56
12	21132.48	21620.77	48	97741.59	462518.32
13	21160.91	21651.22	47	97735.44	461867.83
14	21189.34	21681.67	46	97729.28	461219 08
15	21217.77	21712.13	45	97723.11	460572.07
16	21246.19	21742.59	44	97716.93	459926.80
17	21274.62	21773.06	43	97710.75	459283.25
18	21303.04	21803.53	42	97704.56	458641.41
19	21331.46	21834.00	41	97698.36	458001.29
20	21359.88	21864.48	40	97692.15	457362.87
21	21388.29	21894.96	39	97685.93	456726.14
22	21416.71	21925.44	38	97679.70	456091.11
23	21445.12	21955.93	37	97673.47	455457.76
24	21473.53	21986.42	36	97667.23	454826.08
25	22501.94	21016.92	35	97660.98	454196.08
26	21530.35	21047.42	34	97654.72	453567.73
27	21558.76	21077.93	33	97648.45	452941.05
28	21587.16	21108.44	32	97642.17	452316.01
29	21615.56	22138.95	31	97635.89	451692.61
30	21643.96	22169.47	30	97629.60	451070.85

Minut.	12. Grad. Sinus.	12. Grad. Tang.	Minut.	77. Grad. Sinus.	77. Grad. Tang.
0	21643.96	22169.47	30	97629.60	451070.85
1	21672.36	22199 99	29	97623.30	450450.72
2	21700.76	22330.51	28	97616.99	449832.21
3	21729.15	22261.04	27	97610.67	449215.32
4	21757.54	22291.57	26	97604.35	448600.04
5	21785.93	22322.11	25	97598.02	447986.36
6	21814.32	22352.65	24	97591.68	447374.28
7	21842.71	22383.19	23	97585.33	446763.79
8	21871.10	22413.74	22	97578.97	446154.89
9	21899.48	22444.29	21	97572.60	445547.56
0	21927.86	22474.85	20	97566.23	444941.81
1	21956.24	22505.41	19	97559.85	444337.62
2	21984.62	22535.97	18	97553.46	443734.99
3	22013.00	22566.54	17	97547.06	443133.92
4	22041.37	22597.11	16	97540.65	442534.39
5	22069.74	22627.69	15	97534.23	441936.41
6	22098.11	22658.27	14	97527.81	441339.96
7	22126.48	22688.85	13	97521.38	440745.04
8	22154.85	22719.44	12	97514.94	440151.64
9	22183.21	22750.03	11	97508.49	439559.76
0	22211.58	22780.63	10	97502.03	438969.40
1	22239.94	22811.23	9	97495.56	438380.54
2	22268.30	22841.83	8	97489.09	437793.17
3	22296.66	22872.44	7	97482.61	437207.31
4	22325.01	22903.05	6	97476.12	436622.93
[illegible]	22353.37	22933.67	5	97469.62	436040.03
[illegible]	22381.72	22964.29	4	97463.11	435458.61
[illegible]	22410.07	22994.92	3	97456.60	434878.66
[illegible]	22438.41	23025.55	2	97450.08	434300.18
[illegible]	22466.76	23056.18	1	97443.55	433723.16
[illegible]	22495.11	23086.82	0	97437.01	433147.59

Minut.	13. Grad. Sinus.	Tang.	Minut.	76. Grad. Sinus.	Tang.
0	22495.11	23086.82	60	97437.01	433147.59
1	22523.45	23117.46	59	97430.46	432573.47
2	22551.79	23148.11	58	97423.90	432000.79
3	22580.13	23178.76	57	97417.34	431429.55
4	22608.46	23209.41	56	97410.77	430859.74
5	22636.80	23240.07	55	97404.19	430291.36
6	22665.13	23270.73	54	97397.60	429724.40
7	22693.46	23301.40	53	97391.00	429158.85
8	22721.79	23332.07	52	97384.39	428594.72
9	22750.12	23362.74	51	97377.78	428031.99
10	22778.44	23393.42	50	97371.16	427470.66
11	22806.77	23424.10	49	97364.53	426910.72
12	22835.09	23454.79	48	97357.89	426352.18
13	22863.41	23485.48	47	97351.24	425795.01
14	22891.72	23516.17	46	97344.58	425239.23
15	22920.04	23546.87	45	97337.92	424684.82
16	22948.35	23577.58	44	97331.25	424131.77
17	22976.66	23608.29	43	97324.57	423580.09
18	23004.97	23639.00	42	97317.88	423029.77
19	23033.28	23669.72	41	97311.18	422480.80
20	23061.59	23700.44	40	97304.48	421933.18
21	23089.89	23731.16	39	97297.77	421386.90
22	23118.19	23761.89	38	97291.05	420841.96
23	23146.49	23792.62	37	97284.32	420298.35
24	23174.79	23823.36	36	97233.58	419756.06
25	23203.09	23854.10	35	97270.84	419215.10
26	23231.38	23884.85	34	97264.09	418675.46
27	23259.67	23915.60	33	97257.33	418137.13
28	23287.96	23946.35	32	97250.56	417600.11
29	23316.25	23977.11	31	97243.78	417064.40
30	23344.54	24007.87	30	97236.99	416529.98

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Minut.	13. Grad. Sinus.	13. Grad. Tang.	Minut.	76. Grad. Sinus.	76. Grad. Tang.
30	23344 54	24007.87	30	97236.99	416529.98
31	23372.82	24038.64	29	97230.19	415996.85
32	23401.10	24069.41	28	97223.39	415465.01
33	23429.38	24100.19	27	97216.58	414934.46
34	23457.66	24130.97	26	97209.76	414405.19
35	23485.94	24161.76	25	97202.93	413877.19
36	23514.21	24192.55	24	97196.09	413350.46
37	23542 48	24223.34	23	97189.25	412824.99
38	23570.75	24254.14	22	97182.40	412300.79
39	23599.02	24284 94	21	97175.54	411777.84
40	23627.29	24315.75	20	97168.67	411256.14
41	23655.55	24346.56	19	97161.79	410735.69
42	23683.81	24377.37	18	97154.91	410216.49
43	23712.07	24408.19	17	97148.02	409698.52
44	23740.33	24439.01	16	97141.12	409181.78
45	23768.59	24469.84	15	97134.21	408666.27
46	23796.84	24500.67	14	97127.29	408151.99
47	23825.10	24531.51	13	97120.36	407638.92
48	23853.35	24562.35	12	97113.43	407127.07
49	23881.59	24593.20	11	97106.49	406616 43
50	23909.84	24624.05	10	97099.54	406107 00
51	23938.08	24654.91	9	97092.58	405598.77
52	23966.33	24685.77	8	97085.61	405091.74
53	23994.57	24716.63	7	97078.63	404585.90
54	24022.80	24747.50	6	97071.65	404081.25
55	24051.04	24778 37	5	97064.66	403577.79
56	24079.27	24809.25	4	97057.66	403075.50
57	24107.51	24840.13	3	97050.65	402574.40
58	24135.74	24871.02	2	97043.63	402074.46
59	24163.96	24901.91	1	9703660	401575.70
60	24192 19	24932.80	0	97029.57	401078.09

Minut.	14. Grad. Sinus.	14. Grad. Tang.	Minut.	75. Grad. Sinus.	75. Grad. Tang.
0	24192.19	24932 80	60	97029.57	401078.09
1	24220.41	24963.70	59	97022.53	400581.65
2	24248.63	24994.60	58	97015.48	400086.36
3	24276.85	25025.51	57	97008.42	399592.23
4	24305.07	25056.42	56	97001.35	399099.24
5	24333.29	25087.34	55	96994.28	398607.39
6	24361.50	25118.26	54	96987.20	398116.69
7	24389.71	25149.19	53	96980.11	397627.12
8	24417.92	25189.12	52	96973.01	397138.68
9	24446.13	25211.06	51	96965.90	396651.37
10	24474.33	25242.00	50	96958.79	396165.18
11	24502.54	25272.94	49	96951.67	395680.11
12	24530.74	25303.89	48	96944.54	395196.15
13	24558.94	25334.84	47	96937.40	394713.31
14	24587.13	25365.80	46	96930.25	394231.57
15	24615.33	25396.76	45	96923.09	393750.94
16	24643.52	25427.73	44	96915.92	393271.41
17	24671.71	25458.70	43	96908.75	392792.97
18	24699.90	25489.68	42	96901.57	392315.63
19	24728.09	25520.66	41	96894.38	391839.37
20	24756.27	25551.65	40	96887.18	391364.20
21	24784.45	25582.64	39	96879.98	390890.11
22	24812.63	25613.63	38	96872.77	390417.10
23	24840.81	25644.63	37	96865.55	389945.16
24	24868.99	25675.63	36	96858.32	389474.29
25	24897.16	25706.64	35	96851.08	389004.48
26	24925.33	25737.66	34	96843.83	388535.74
27	24953.50	25768.68	33	96836.58	388068.05
28	24981.67	25799.70	32	96829.31	387601.42
29	25009.84	25830.73	31	96822.04	387135.84
30	25038.00	25861.76	30	96814 76	386671.31

Minut.	14. Grad. Sinus.	Tang.	Minut.	75. Grad. Sinus.	Tang.
30	25038.00	25861.76	30	96814.76	386671.31
31	25066.16	25892.80	29	96807.47	386207.82
32	25094.32	25923.84	28	96800.18	385745.37
33	25122.48	25954.88	27	96792.88	385283.96
34	25150.63	25985.93	26	96785 57	384823.58
35	25178.79	26016.99	25	96778.25	384364.24
36	25206.94	26048.05	24	96770.92	383905.91
37	25235.08	26079.11	23	96763.58	383448.61
38	25263.23	26110.18	22	96756.23	382992.33
39	25291.37	26141.26	21	96748.88	382537.07
40	25319.52	26172.34	20	96741.52	382082.81
41	25347.66	26203.42	19	96734.15	381629.57
42	25375.79	26234.51	18	99726.77	381177.33
43	25403.93	26265.60	17	96719.38	380726.06
44	25432.06	26296.70	16	96711.99	380275.85
45	25460.19	26327.80	15	99704.59	379826.61
46	25488.32	26358.91	14	96697.18	379378.35
47	25516.45	26390.02	13	96689.76	378931.09
48	25544.58	26412.14	12	96682.33	378484.81
49	25572.70	26452.26	11	96674.90	378039.51
50	25600.82	26483.39	10	96667.46	377595.19
51	25628.94	26514.52	9	96660.01	377151.85
52	25657.05	26545.66	8	96652.55	376709.47
53	25685.17	26576 80	7	96645.08	376268.07
54	25713.28	26607.94	6	96637.60	375827.63
55	25741.39	26639.09	5	96630.12	375388.15
56	25769.50	26670.25	4	96622.63	374949.63
57	25797.60	26701.41	3	96615.13	374512.07
58	25825.70	26732.57	2	96607.62	374075.46
59	25853.81	26763.74	1	96600.10	373639.80
60	25881.90	26794.92	0	96592.58	373205.08

Minut.	15. Grad. Sinus.	15. Grad. Tang.	Minut.	74. Grad. Sinus.	74. Grad. Tang.
0	25881.90	26794.92	60	96592.58	373205.08
1	25910.00	26826.10	59	96585.05	372771.31
2	25938.10	26857.28	58	96577.51	372338.47
3	25966.19	26888.47	57	96569.96	371906.58
4	25994.28	26919.67	56	96562.40	371475.61
5	26022.37	26950.87	55	96554.83	371045.58
6	26050.45	26982.07	54	96547.26	370616.48
7	26078.53	27013.28	53	96539.68	370188.30
8	26106.61	27044.49	52	96532.09	369761.03
9	26134.69	27075.71	51	96524.49	369334.69
10	26162.77	27106.93	50	96516.88	368909.27
11	26190.85	27138.16	49	96509.27	368484.75
12	26218.92	27169.40	48	96501.65	368061.15
13	26246.99	27200.64	47	96494.02	367638.45
14	26275.06	27231.88	46	96486.38	367216.65
15	26303.12	27263.13	45	96478.73	366795.75
16	26331.18	27294.38	44	96471.07	366375.75
17	26359.24	27325.64	43	96463.41	365956.65
18	26387.30	27356.90	42	96455.74	365538.44
19	26415.36	27388.17	41	96448.06	365121.11
20	26443.42	27419.44	40	96440.37	364704.67
21	26471.47	27450.72	39	96432.67	364289.11
22	26499.52	27482.01	38	96424.97	363874.44
23	26527.57	27513.30	37	96417.26	363460.63
24	26555.61	27544.59	36	96409.54	363047.71
25	26583.65	27575.89	35	96401.81	362635.66
26	26611.69	27607.19	34	96394.07	362224.47
27	26639.73	27638.50	33	96386.33	361814.15
28	26667.77	27669.81	32	96378.58	361404.69
29	26695.81	27701.13	31	96370.82	360996.09
30	26723.84	27732.45	30	96363.05	360588.35

Minut.	15. Grad. Sinus.	Tang.	Minut.	74. Grad. Sinus.	Tang.
30	26723.84	27732.45	30	96363.05	360588.35
31	26751.87	27763.78	29	96355.27	360181.46
32	26779.89	27795.12	28	96347.48	359775.43
33	26807.92	27826.46	27	96339.69	359370.24
34	26835.94	27857.80	26	96331.89	358965.90
35	26863.96	27889.15	25	96324.08	358562.41
36	26891.98	27920.50	24	96316.26	358159.75
37	26920.00	27951.86	23	96308.43	357757.94
38	26948.01	27983.22	22	96300.59	357356.96
39	26976.02	28014.59	21	96292.75	356956.81
40	27004.03	28045.97	20	96284.90	356557.49
41	27032.04	28077.35	19	96277.04	356159.00
42	27060.04	28108.73	18	96269.17	355761.33
43	27088.05	28140.12	17	96261.30	355364.49
44	27116.05	28171.52	16	96253.42	354968.46
45	27144.04	28202.92	15	96245.52	354573.25
46	27172.04	28234.32	14	96237.62	354178.86
47	27200.03	28265.73	13	96229.72	353785.28
48	27228.02	28297.15	12	96221.80	353392.51
49	27256.01	28328.57	11	96213.87	353000.54
50	27284.00	28359.99	10	96205.94	352609.38
51	27311.98	28391.42	9	96198.00	352219.02
52	27339.96	28422.86	8	96190.05	351829.46
53	27367.94	28454.30	7	96182.09	351440.70
54	27395.92	28485.75	6	96174.13	351052.73
55	27423.90	28517.20	5	96166.16	350665.55
56	27451.87	28548.66	4	96158.18	350279.16
57	27479.84	28580.12	3	96150.19	349893.56
58	27507.81	28611.59	2	96142.19	349508.74
59	27535.78	28643.06	1	96134.18	349124.70
60	27563.74	28674.54	0	96126.17	348741.44

Minut.	16. Grad. Sinus.	Tang.	Minut.	73. Grad. Sinus.	Tang.
0	27563.74	28674.54	60	96126.17	348741.44
1	27591.70	28706.02	59	96118.15	348358.96
2	27619.65	28737.51	58	96110.12	347977.26
3	27647.61	28769.00	57	96102.08	347596.32
4	27675.56	28800.50	56	96094.03	347216.16
5	27703.52	28832.01	55	96085.98	346836.76
6	27731.47	28863.52	54	96077.92	346458.13
7	27259.41	28895.03	53	96069.84	346080.26
8	27787.36	28926.55	52	96061.77	345703.15
9	27815.30	28958.08	51	96053.68	345326.79
10	27843.24	28989.61	50	96045.58	344951.20
11	27871.18	29021.14	49	96037.48	344576.35
12	27899.11	29052.68	48	96029.37	344202.26
13	27927.04	29084.23	47	96021.25	343828.91
14	27954.97	29115.78	46	96013.12	343456.31
15	27982.90	29147.34	45	96004.99	343084.46
16	28010.83	29178.90	44	95996.84	342713.34
17	28038.75	29210.47	43	95988.69	342342.97
18	28066.67	29242.05	42	95980.53	341973.33
19	28094.59	29273.63	41	95972.36	341604.43
20	28122.51	29305.21	40	95964.18	341236.26
21	28150.42	29336.80	39	95956.00	340868.82
22	28178.33	29368.39	38	95947.81	340502.10
23	28206.24	29399.99	37	95939.61	349136.12
24	28234.15	29431.60	36	95931.40	339770.85
25	28262.05	29463.21	35	95923.18	339406.31
26	28289.95	29494.83	34	95914.96	339042.49
27	28317.85	29526.45	33	95906.72	338679.38
28	28345.75	29558.08	32	95898.48	338316.99
29	28373.64	29589.71	31	95890.23	337955.31
30	28401.53	29621.35	30	95881.97	887594.34

Minut.	16. Grad. Sinus.	16. Grad. Tang.	Minut.	73. Grad. Sinus.	73. Grad. Tang.
30	28401.53	29621.35	30	95881.97	337594.34
31	28429.42	29625.99	29	95873.71	337234.08
32	28457.31	29684.64	28	95865.43	336874.53
33	28485.20	29716.30	27	95857.15	336515.68
34	28513.08	29747.96	26	95848.86	336157.53
35	28540.96	29779.62	25	95840.56	335800.08
36	28568.84	29811.29	24	95832.26	335443.33
37	28596.71	29842.97	23	95823.94	335087.28
38	28624.58	29874.65	22	95815.62	334731.91
39	28652.45	29906.34	21	95807.29	334377.24
40	28680.32	29938.03	20	95798.95	334023.26
41	28708.19	29969.73	19	95790.60	333669.97
42	28736.05	30001.44	18	95782.25	333317.36
43	28763.91	30033.15	17	95773.89	332965.43
44	28791.77	30064.86	16	95765.52	332614.19
45	28819.63	30096.58	15	95757.14	332263.62
46	28847.48	30128.31	14	95748.75	331913.73
47	28875.33	30160.04	13	95740.35	331564.52
48	28903.18	30191.78	12	95731.95	331215.98
49	28931.03	30223.52	11	95723.54	330868.11
50	28958.87	30255.27	10	95715.12	330520.91
51	28986.71	30287.03	9	95706.69	330174.38
52	29014.55	30318.79	8	95698.25	329828.51
53	29042.39	30350.55	7	95689.81	329483.30
54	29070.22	30382.32	6	95681.36	329138.76
55	29098.05	30414.10	5	95672.90	328794.87
56	29125.88	30445.88	4	95664.43	328451.64
57	29153.71	30477.67	3	95655.95	328109.07
58	29181.53	30509.46	2	95647.47	327767.15
59	29209.35	30541.26	1	95638.98	327425.88
60	29237.17	30573.07	0	95630.48	327085.26

Minut.	17. Grad. Sinus.	Tang.	Minut.	72. Grad. Sinus.	Tang.
0	29237.17	30573.07	60	95630.48	327085.26
1	29264.99	30604.88	59	95621.97	326745.29
2	29292.80	30636.69	58	95613.45	326405.96
3	29320.61	30668.51	57	95604.92	326067.28
4	29348.42	30700.34	56	95596.39	325729.24
5	29376.23	30732.18	55	95587.85	325391.84
6	29404.03	30764.02	54	95579.30	325055.08
7	29431.83	30795.86	53	95570.74	324718.95
8	29459.63	30827.71	52	95562.17	324383.46
9	29487.43	30859.57	51	95553.60	324048.60
10	29515.22	30891.43	50	95545.02	323714.38
11	29543.02	30923.30	49	95536.43	323380.78
12	29570.80	30955.17	48	95527.83	323047.80
13	29598.59	30987.05	47	95519.23	322715.46
14	29626.38	31018.93	46	95510.61	322383.73
15	29654.16	31050.82	45	95501.99	322052.63
16	29681.94	31082.72	44	95493.36	321722.15
17	29709.71	31114.62	43	95484.73	321392.28
18	29737.49	31146.53	42	95476.08	321063.04
19	29765.26	31178.44	41	95467.42	320734.40
20	29793.03	31210.36	40	95458.76	320406.38
21	29820.79	31242.29	39	95450.09	320078.97
22	29848.56	31274.22	38	95441.41	329752.17
23	29876.32	31306.16	37	95432.73	329425.98
24	29904.08	31338.10	36	95424.03	329100.39
25	29931.84	31370.05	35	95415.33	328775.40
26	29959.59	31402.00	34	95406.62	328451.02
27	29987.34	31433.96	33	95397.90	328127.24
28	30015.09	31465.93	32	95389.17	327804.06
29	30042.84	31497.90	31	95380.44	327481.47
30	30070.58	31529.88	30	95371.69	327159.48

Minut.	17. Grad.		Minut.	72. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
30	30070.58	31529.88	30	95371.69	317159.48
31	30098.32	31561.86	29	95362.94	316838.08
32	30126.06	31593.85	28	95354.18	316517.28
33	30153.80	31625.85	27	95345.42	316197.06
34	30181.53	31657.85	26	95336.64	315877.44
35	30209.26	31689.86	25	95327.86	315558.40
36	30236.99	31721.87	24	95319.07	315239.94
37	30264.71	31753.89	23	95310.27	314922.07
38	30292.44	31785.91	22	95301.46	314604.78
39	30320.16	31817.94	21	95292.64	314288.07
40	30347.88	31849.98	20	95283.82	313971.94
41	30375.59	31882.02	19	95274.99	313656.39
42	30403.31	31914.07	18	95266.15	313341.41
43	30431.02	31946.13	17	95257.30	313027.01
44	30458.72	31978.19	16	95248.44	312713.17
45	30486.43	32010.25	15	95239.58	312399.91
46	30514.13	32042.32	14	95230.71	312087.22
47	30541.83	32074.40	13	95221.83	311775.09
48	30569.53	32106.49	12	95212.94	311463.53
49	30597.23	32138.58	11	95204.04	311152.54
50	30624.92	32170.67	10	95195.14	310842.10
51	30652.61	32202.77	9	95186.23	310532.23
52	30680.29	32234.88	8	95177.31	310222.91
53	30707.98	32267.00	7	95168.38	309914.16
54	30735.66	32299.12	6	95159.44	309605.96
55	30763.34	32331.25	5	95150.50	309298.31
56	30791.02	32363.38	4	95141.54	308991.22
57	30818.69	32395.52	3	95132.58	308684.68
58	30846.36	32427.66	2	95123.61	308378.69
59	30874.03	32459.81	1	95114.64	308073.25
60	30901.70	32491.97	0	95105.65	307768.45

Minut.	18. Grad. Sinus.	18. Grad. Tang.	Minut.	71. Grad. Sinus.	71. Grad. Tang.
0	30901.70	32491.97	60	95105.65	307768.35
1	30929.36	32524.13	59	95096.66	307464.00
2	30957.02	32556.30	58	95087.66	307160.20
3	30984.68	32588.48	57	95078.65	306856.93
4	31012.34	32620.66	56	95069.63	306554.21
5	31039.99	32652.85	55	95060.60	306252.03
6	31067.64	32685.04	54	95061.57	305950.38
7	31095.29	32717.24	53	95042.53	305649.28
8	31122.94	32749.44	52	95033.48	305348.70
9	31150.58	32781.65	51	95024.42	305048.66
10	31178.22	32813.87	50	95015.36	304749.15
11	31205.86	32846.10	49	95006.29	304450.18
12	31233.49	32878.33	48	94997.21	304151.73
13	31261.12	32910.56	47	94988.12	303853.81
14	31288.75	32942.80	46	94979.02	303556.41
15	31316.38	32975.05	45	94969.91	303259.54
16	31344.00	33007.31	44	94960.80	302963.20
17	31371.63	33039.57	43	94951.68	302667.37
18	31399.25	33071.84	42	94942.55	302372.07
19	31426.86	33104.11	41	94933.41	302077.28
20	31454.48	33136.39	40	94924.26	301783.01
21	31482.09	33168.68	39	94915.11	301489.26
22	31509.69	33200.97	38	94905.95	301196.02
23	31537.30	33233.27	37	94896.78	300903.30
24	31564.90	33265.57	36	94887.60	300611.09
25	31592.50	33297.88	35	94878.41	300319.39
26	31620.10	33330.20	34	94869.22	300028.20
27	31647.70	33362.52	33	94860.02	299737.51
28	31675.29	33394.85	32	94850.81	299447.34
29	31702.88	33427.19	31	94841.59	299157.66
30	31730.47	33459.53	30	94832.37	298868.50

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Minut.	18. Grad. Sinus.	Tang.	Minut.	71. Grad. Sinus.	Tang.
30	31730.47	33459.53	30	94832.36	298868.50
31	31758 05	33491.88	29	94823.13	298579.83
32	31785.63	33524.24	28	94813.89	298291.66
33	31813.21	33556.60	27	94804.64	298004.00
34	31840.79	33588.97	26	94795.38	297716.83
35	31868.36	33621.34	25	94786.11	297430.16
36	31895.93	33653.72	24	94776.84	297143.99
37	31923.50	33686.11	23	94767.56	296858.31
38	31951.06	33718.50	22	94758.27	296573.12
39	31978.63	33750.90	21	94748.97	296288.42
40	32006.19	33783.30	20	94739.66	296004.22
41	32033.74	33815.71	19	94730.35	295720.50
42	42061.30	33848.13	18	94721.03	295437.27
43	32088.85	33880.56	17	94711.70	295154.53
44	32116.40	33912.99	16	94702.36	294872.27
45	32143.95	33945 43	15	94693.01	294590.50
46	32171.49	33977.87	14	94683.66	294309.21
47	32199.03	34010.32	13	94674.30	294028.4
48	32226.57	34042.78	12	94664.93	293748.07
49	32254.10	34075.24	11	94655.55	293468.2
50	32281.64	34107 71	10	94646.16	293188 8
51	32309.17	34140.19	9	94636.76	292909.9
52	32336.70	34172.67	8	94627.36	292631.5
53	32364.22	34205.16	7	94617.95	292353.5
54	32391.74	34237.65	6	94608.53	292076.1
55	32419.26	34270.15	5	94599.10	291799.0
56	32446.78	34302.66	4	94589.67	291522.5
57	32474.29	34335.18	3	94580.23	291246.4
58	32501.80	34367.70	2	94570.78	290970.8
59	32529.31	34400.23	1	94561.32	290695.7
60	32556.82	34432.76	0	94551.86	290421.0

Minut.	19. Grad. Sinus.	19. Grad. Tang.	Minut.	70. Grad. Sinus.	70. Grad. Tang.
0	32556.82	34432.76	60	94551.86	290421.09
1	32584.32	34465.30	59	94542.38	290146.88
2	32611.82	34497.85	58	94532.90	289873.14
3	32639.31	34530.40	57	94523.41	289599.86
4	32666.81	34562.96	56	94513.91	289327.04
5	32694.30	34595.53	55	94504.40	289054.67
6	32721.79	34628.10	54	94494.89	288782.77
7	32749.28	34660.68	53	94485.37	288511.32
8	32776.76	34693.27	52	94475.84	288240.33
9	32804.24	34725.86	51	94466.30	287969.79
10	32831.72	34758.46	50	94456.75	287699.70
11	32859.19	34791.07	49	94447.20	287430.07
12	32886.66	34823.68	48	94437.64	287160.88
13	32914.13	34856.30	47	94428.07	286892.15
14	32941.60	34888.93	46	94418.49	286623.86
15	32969.06	34921.56	45	94408.90	286356.02
16	32996.52	34954.20	44	94399.31	286088.63
17	33023.98	34986.85	43	94389.71	285821.68
18	33051.44	35019.50	42	94380.10	285555.17
19	33078.89	35052.16	41	94370.48	285289.11
20	33106.34	35084.83	40	94360.85	285023.49
21	33133.79	35117.50	39	94351.22	284758.31
22	33161.23	35150.18	38	94341.57	284493.56
23	33188.67	35182.87	37	94331.92	284229.26
24	33216.11	35215.56	36	94322.27	283965.39
25	33243.55	35248.26	35	94312.60	283701.96
26	33270.98	35280.97	34	94302.93	283438.96
27	33298.41	35313.68	33	94293.25	283176.39
28	33325.84	35346.40	32	94283.56	282914.26
29	33353.27	35379.13	31	94273.86	282652.56
30	33380.69	35411.86	30	94264.15	282391.29

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Minut.	19. Grad. Sinus.	Tang.	Minut.	70. Grad Sinus.	Tang.
30	33380.69	35411.86	30	94264.15	282391.29
31	33408.10	35344.60	29	94254.43	282130.45
32	33435.52	35477.35	28	94244.71	281870.03
33	33462.93	35510.10	27	94234.98	281610.04
34	33490.34	35542.86	26	94225.24	281350.48
35	33517.75	35575.63	25	94215.50	281091.34
36	33545.16	35608.40	24	94205.75	280832.63
37	33572.56	35641.18	23	94195.98	280574.33
38	33599.96	35673.97	22	94186.21	280316.46
39	33627.35	35706.76	21	94176.44	280059.01
40	33654.75	35739.56	20	94166.65	279801.98
41	33682.14	35772.37	19	94156.86	279545.37
42	33709.53	35805.18	18	94147.05	279289.17
43	33736.91	35838.00	17	94137.24	279033.39
44	33764.29	35870.83	16	94127.43	278778.02
45	33791.67	35903.67	15	94117.60	278523.07
46	33819.05	35936.51	14	94107.77	278268.53
47	33846.42	35969.36	13	94097.93	278014.40
48	33873.79	36002.22	12	94088.08	277760.69
49	33901.16	36035.08	11	94078.22	277507.38
50	33928.53	36067.95	10	94068.35	277254.48
51	33955.89	36100.83	9	94058.48	277001.99
52	33983.25	36133.71	8	94048.60	276749.90
53	34010.60	36166.60	7	94038.71	276498.22
54	34037.95	36199.50	6	94028.81	276246.95
55	34065.30	36232.40	5	94018.91	275996.08
56	34092.65	36265.31	4	94008.99	275745.61
57	34120.00	36298.23	3	93999.07	275495.54
58	34147.34	36331.15	2	93989.14	275245.88
59	34174.68	36364.08	1	93979.21	274996.61
60	34202.01	36397.02	0	93969.26	274747.74

Minut.	20. Grad Sinus.	20. Grad Tang.	Minut.	69 Grad. Sinus.	69 Grad. Tang.
0	34202.02	36397.02	60	93969.26	274747.74
1	34229.35	36429.97	59	93959.31	274499.27
2	34256.68	36462.92	58	93949.35	274251.20
3	34284.01	36495.88	57	93939.38	274003.52
4	34311.33	36528.85	56	93929.40	273756.23
5	34338.65	36561.82	55	93919.42	273509.34
6	34365.97	36594.80	54	93909.43	273262.84
7	34393.29	36627.79	53	93899.43	273016.74
8	34420.60	36660.79	52	93889.42	272771.02
9	34447.91	36693.79	51	93789.40	272525.69
10	34475.21	36726.80	50	93869.37	272280.75
11	34502.52	36759.82	49	93859.34	272036.20
12	34529.82	36792.84	48	93849.30	271792.04
13	34557.12	36825.87	47	93839.25	271548.26
14	34584.41	36858.91	46	93829.19	271304.87
15	34611.71	36891.95	45	93819.13	271061.86
16	34639.00	36925.00	44	93809.06	270819.23
17	34666.28	36958.06	43	93798.98	270576.99
18	34693.57	36991.13	42	93788.89	270335.13
19	34720.85	37024.20	41	93778.80	270093.64
20	34748.12	37057.28	40	93768.69	269852.54
21	34775.40	37090.37	39	93758.58	269611.81
22	34802.67	37123.46	38	93748.46	269371.47
23	34829.94	37156.56	37	93738.33	269131.49
24	34857.20	37189.67	36	93728.20	268891.90
25	34884.47	37222.78	35	93718.06	268652.67
26	34911.73	37255.90	34	93707.90	268413.83
27	34938.98	37289.03	33	93697.74	268175.35
28	34966.24	37322.17	32	93687.58	267937.25
29	34993.49	37355.32	31	93677.40	267699.51
30	35020.74	37388.47	30	93667.22	267462.15

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Minut.	20. Grad. Sinus.	20. Grad. Tang.	Minut.	69. Grad. Sinus.	69. Grad. Tang.
30	35020.74	37388.47	30	93667.22	267462.15
31	35047.99	37421.63	29	93657.03	267225.16
32	35075.23	37454.79	28	93646.83	266988.53
33	35102.46	37487.97	27	93636.62	266752.27
34	35129.70	37521.15	26	93626.41	266516.38
35	35156.93	37554.34	25	93616.18	266280.85
36	35184.16	37587.53	24	93605.95	266045.69
37	35211.39	37620.73	23	93595.71	265810.89
38	35238.62	37653.94	22	93585.47	265576.45
39	35265.84	37687.16	21	93575.21	265342.38
40	35293.06	37720.38	20	93564.95	265108.67
41	35320.27	37753.61	19	93554.68	264875.31
42	35347.48	37786.85	18	93544.40	264642.32
43	35374.69	37820.10	17	93534.12	264409.69
44	35401.90	37953.35	16	93523.82	264177.41
45	35429.10	37886.61	15	93513.52	263945.49
46	35456.30	37919.88	14	93503.21	263713.92
47	35483.50	37953.16	13	93492.89	263482.71
48	35510.70	37986.44	12	93482.57	263251.86
49	35537.89	38019.73	11	93472.23	263021.36
50	35565.08	38053.03	10	93461.89	262791.21
51	35592.26	38086.33	9	93451.54	262561.41
52	35619.44	38119.64	8	93441.18	262331.96
53	35646.62	38152.96	7	93430.82	262102.86
54	35673.80	38186.29	6	93420.45	261874.11
55	35700.97	38219.62	5	93410.07	261645.71
56	35728.14	38252.96	4	93399.68	261417.66
57	35755.31	38286.31	3	93389.28	261189.95
58	35782.48	38319.67	2	93378.88	260962.59
59	35809.64	38353.03	1	93368.46	260735.58
60	35836.79	38386.40	0	93358.04	260508.91

Minut.	21. Grad.		Minut.	68. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
0	35836.79	38386.40	60	93358.04	260508.91
1	35863.95	38419.78	59	93347.61	260282.58
2	35891.10	38453 17	58	93337 18	260056.59
3	35918.25	38486.56	57	93326.73	269830.95
4	35945.40	38519.96	56	93316.28	259605.64
5	35972.54	38553.37	55	93305.82	259380.68
6	35999.68	38586.79	54	93295.35	259156.06
7	36026.82	38620.21	53	93284.88	258931.77
8	36053.95	38653.64	52	93274.39	258707.82
9	36081.08	38687.08	51	93263.90	258484.21
10	36108.21	38720.53	50	93253.40	258260.94
11	36135.33	38753.98	49	93242.90	258038.00
12	36162.46	38787.44	48	93232.38	257815.39
13	36189.58	38820.91	47	93221.86	257593.12
14	36216.69	38854.39	46	93211.33	257371.18
15	36243.80	38887.87	45	93200.79	257149.57
16	36270.91	38921.36	44	93190.24	256928.30
17	36298.02	38954.86	43	93179.69	256707.35
18	36325.12	38988.37	42	93169.12	256486.74
19	36352.22	39021.89	41	93158.55	256266.45
20	36379.32	39055.41	40	93147.97	256046.49
21	36406.41	39088.94	39	93137.39	255826.86
22	36433.51	39122.48	38	93126.79	255607.56
23	36460.59	39156.02	37	93116.19	255388.58
24	36487.68	39189.57	36	93105.58	255169.92
25	36514.76	39223.13	35	93094.96	254951.60
26	36541.84	39256 70	34	93084.33	254733.59
27	36568.91	39290 28	33	93073 70	254515.91
28	36595.99	39323.86	32	93063.06	254298.55
29	36623.06	39357.45	31	93052.41	254081.51
30	36650.12	39391.05	30	93041.76	253864.79

Minut.	21. Grad. Sinus.	21. Grad. Tang.	Minut.	68. Grad. Sinus.	68. Grad. Tang.
30	36650 12	39391.05	30	93041.76	253864.79
31	36677.19	39424 66	29	93031.09	253648 39
32	36704.25	39458.27	28	93020.42	253432.31
33	36731.30	39491.89	27	93009.74	253216.55
34	36758.36	39525.52	26	92999.05	253001.11
35	36785.41	39559.16	25	92988.35	252785.98
36	36812.46	39592.80	24	92977.65	252571.17
37	36839.50	39626.45	23	92966.94	252356.67
38	36866.54	39660.11	22	92956.22	252142.49
39	36893.58	39693 78	21	92945.49	251928.63
40	36920.61	39727.46	20	92934 75	251715.07
41	36947.65	39761.14	19	92924.01	251501.83
42	36974.68	39794.83	18	92913.26	251288.90
43	37001 70	39828.53	17	92902.50	251076.29
44	37028.72	39862.24	16	92891.73	250863.98
45	37055.74	39895.96	15	92880.95	250651.98
46	37082.76	39929.68	14	92870.17	250440.29
47	37109.77	39963.41	13	92859.38	250228.91
48	37136.78	39997.15	12	92848.58	250017.84
49	37163.79	40030.89	11	92837.78	249807.07
50	37190.79	40064.65	10	92826.96	249596.61
51	37217.80	40098.41	9	92816.14	249386.45
52	37244.79	40132.18	8	92805.31	249176.60
53	37271.79	40165.96	7	92794 47	248967.06
54	37298.78	40199.75	6	92783.62	248757.81
55	37325.77	40233.54	5	92772.77	248548.87
56	37352.75	40267.34	4	92761.91	248340.23
57	37379.73	40301.15	3	92751.04	248131.90
58	37406.71	40334.97	2	92740.16	247923.86
59	37433.69	40368.79	1	92729.28	247716.12
60	37460.66	40402.62	0	92718.39	247508.69

Minut.	22. Grad. Sinus.	22. Grad. Tang.	Minut.	67. Grad. Sinus.	67. Grad. Tang.
0	37460.66	40402.62	60	92718.39	247508.69
1	37487.63	40436.46	59	92707.49	247301.55
2	37514.59	40470.31	58	92696.58	247094.70
3	37541.56	40504.17	57	92685.66	246888.16
4	37568.52	40538.04	56	92674.73	246681.91
5	37595.47	40571.91	55	92663.80	246475.96
6	37622.43	40605.79	54	92652.86	246270.30
7	37649.38	40639.68	53	92641.91	246064.94
8	37676.32	40673.58	52	92630.96	245859.87
9	37703.27	40707.48	51	92620.00	245655.09
10	37730.21	40741.39	50	92609.03	245450.61
11	37757.14	40775.31	49	92598.05	245246.42
12	37784.08	40809.24	48	92587.06	245042.52
13	37811.01	40843.18	47	92576.06	244838.91
14	37837.94	40877.13	46	92565.06	244635.59
15	37864.86	40911.08	45	92554.05	244432.56
16	37891.78	40945.04	44	92543.03	244229.82
17	37918.70	40979.01	43	92532.01	244027.36
18	37945.62	41012.99	42	92520.97	243825.19
19	37972.53	41046.97	41	92509.93	243623.31
20	37999.44	41080.97	40	92498.88	243421.72
21	38026.34	41114.97	39	92487.82	243220.41
22	38053.24	41148.98	38	92476.76	243019.38
23	38080.14	41183.00	37	92465.68	242818.64
24	38107.04	41217.03	36	92454.60	242618.19
25	38133.93	41251.06	35	92443.51	242418.01
26	38160.82	41285.10	34	92432.42	242218.12
27	38187.70	41319.15	33	92421.31	242018.51
28	38214.59	41353.21	32	92410.20	241819.18
29	38241.47	41387.28	31	92399.08	241620.13
30	38268.34	41421.36	30	92387.95	241421.36

Minut.	22. Grad. Sinus.	22. Grad. Tang.	Minut.	67. Grad. Sinus.	67. Grad. T ng.
30	38268.34	41421.36	30	92387.95	241421.36
31	38295.22	41455.44	29	92376.82	241222.86
32	38322.09	41489.53	28	92365.67	241024.65
33	38348.95	41523.63	27	92354.52	240826.72
34	38375.82	41557.74	26	92343.36	240629.06
35	38402.68	41591.86	25	92332.20	240431.68
36	38429.53	41625.99	24	92321.02	240234.57
37	38456.39	41660.12	23	92309.84	240037.74
38	38483.24	41694.26	22	92298.65	239841.18
39	38510.08	41728.41	21	92287.45	239644.90
40	38536.93	41762.57	20	92276.24	239448.89
41	38563.77	41796.74	19	92265.03	239253.16
42	38590.60	41830.91	18	92253.81	239057.69
43	38617.44	41865.09	17	92242.58	238862.50
44	38644.27	41899.28	16	92231.34	238667.58
45	38671.10	41933.48	15	92220.10	238472.93
46	38697.92	41967.69	14	92208.84	238278.55
47	38724.74	42001.91	13	92197.58	238084.44
48	38751.56	42036.13	12	92186.31	237890.60
49	38778.37	42070.36	11	92175.04	237697.03
50	38805.18	42104.60	10	92163.75	237503.72
51	38831.99	42138.85	9	92152.46	237310.68
52	38858.80	42173.11	8	92141.16	237117.91
53	38885.60	42207.38	7	92129.86	236925.40
54	38912.39	42241.66	6	92118.54	236733.16
55	38939.19	42275.94	5	92107.22	236541.18
56	38965.98	42310.23	4	92095.89	236349.46
57	38992.77	42344.53	3	92084.55	236158.01
58	39019.55	42378.84	2	92073.20	235966.83
59	39046.33	42413.16	1	92061.85	235775.90
60	39073.11	42447.49	0	92050.49	235585.24

Minut.	23. Grad. Sinus.	23. Grad. Tang.	Minut.	66. Grad. Sinus.	66. Grad. Tang.
0	39073.11	42447.49	60	92050.49	235585.24
1	39099.89	42481.82	59	92039.12	235394.83
2	39126.66	42516.16	58	92027.74	235204.69
3	39153.43	42550.51	57	92016.35	235014.81
4	39180.19	42584.87	56	92004.96	234825.19
5	39206.95	42619.24	55	91993.56	234635.82
6	39233.71	42653.62	54	91982.15	234446.72
7	39260 47	42688.00	53	91970.73	234257.87
8	39287.22	42722.39	52	91959.31	234069.28
9	39313.97	42756.79	51	91947.88	233880.95
10	39340.71	42791.20	50	91936.44	233692.87
11	39367.45	42825.62	49	91924.99	233505.06
12	39394.19	42860.05	48	91913.53	233317.48
13	39420.93	42894.49	47	91902.07	233130.17
14	39447.66	42928.94	46	91890.60	232943.11
15	39474.39	42963.39	45	91879.12	232756.30
16	39501.11	42997.85	44	91867.63	232569.75
17	39527.83	43032.32	43	91856.14	232383.45
18	39554 55	43066.80	42	91844.64	232197.40
19	39581.27	43101.29	41	91833.13	232011.60
20	39607.98	43135.79	40	91821.61	231826.56
21	39634.68	43170.30	39	91810.09	231640.76
22	39661.39	43204.81	38	91798.55	231455.71
23	39688.09	43239.33	37	91787.01	231270.91
24	39714.79	43273.86	36	91775.46	231086.36
25	39741.48	43308.40	35	91763 91	230902.06
26	39768.17	43342.95	34	91752.34	230718.01
27	39794.86	43377.51	33	91740.44	230534.20
28	39821.55	43412.08	32	91729.19	230350.64
29	39848.23	43446.66	31	91717.60	230167.32
30	39874.91	43481.24	30	91706.01	229984.25

Minut.	23. Grad. Sinus.	23. Grad. Tang.	Minut.	66. Grad. Sinus.	66. Grad. Tang.
30	39874.91	43481.24	30	91706.01	229984.25
31	39901.58	43515.83	29	91694.40	229801.43
32	39928.25	43550.43	28	91682.79	229618.85
33	39954.92	43585.04	27	91671.18	229436.51
34	39981.58	43619.66	26	91659.55	229254.42
35	40008.25	43654.29	25	91647.91	229072.57
36	40034.90	43688.93	24	91636.27	228890.96
37	40061.56	43723.58	23	91624.62	228709.59
38	40088.21	43758.23	22	91612.96	228528.46
39	40114.86	43792.89	21	91601.30	228347.58
40	40141.50	43827.56	20	91589.63	228166.93
41	40168.14	43862.24	19	91577.95	227986.53
42	40194.78	43896.93	18	91566.26	227806.36
43	40221.41	43931.63	17	91554.56	227626.43
44	40248.04	43966.34	16	91542.86	227446.74
45	40274.67	44001.06	15	91531.15	227267.29
46	40301.29	44035.78	14	91519.43	227088.07
47	40327.91	44070.51	13	91507.70	226909.09
48	40354.53	44105.25	12	91495.97	226730.35
49	40381.14	44140.00	11	91484.22	226551.84
50	40407.75	44174.78	10	91472.47	226373.57
51	40434.36	44209.53	9	91460.72	226195.53
52	40460.96	44244.31	8	91448.95	226017.73
53	40487.56	44279.10	7	91437.18	225840.16
54	40514.16	44313.90	6	91425.40	225662.83
55	40540.75	44348.71	5	91413.61	225485.72
56	40567.34	44383.53	4	91401.81	225308.85
57	40593.93	44418.35	3	91390.01	225132.21
58	40620.51	44453.18	2	91378.19	224955.80
59	40647.09	44488.02	1	91366.37	224779.62
60	40673.66	44522.87	0	91354.55	224603.68

Min.	24. Grad. Sinus.	24. Grad. Tang.	Minut.	65. Grad. Sinus.	65. Grad. Tang.
0	40673.66	44522.87	60	91354.55	224603.68
1	40700.23	44557.73	59	91342.71	224427.96
2	40726.81	44592.60	58	91330.87	224252.47
3	40753.37	44627.48	57	91319.02	224077.21
4	40779.93	44662.37	56	91307.16	223902.18
5	40806.49	44697.27	55	91295.29	223727.38
6	40833.05	44732.17	54	91283.42	223552.80
7	40859.60	44767.08	53	91271.54	223378.45
8	40886.15	44802.00	52	91259.65	223204.33
9	40912.69	44836.93	51	91247.75	223030.43
10	40939.23	44871.87	50	91235.84	222856.76
11	40965.77	44906.82	49	91223.93	222683.31
12	40992.30	44941.78	48	91212.01	222510.09
13	41018.83	44976.75	47	91200.08	222337.09
14	41045.36	45011.73	46	91188.14	222163.32
15	41071.89	45046.72	45	91176.20	221991.77
16	41098.41	45081.72	44	91164.25	221819.44
17	41124.92	45116.73	43	91152.29	221647.33
18	41151.44	45151.74	42	91140.32	221475.45
19	41177.95	45186.76	41	91128.35	221303.79
20	41204.45	45221.79	40	91116.37	221132.34
21	41230.96	45256.83	39	91104.38	220961.12
22	41257.45	45291.88	38	91092.38	220790.12
23	41283.95	45326.94	37	91080.38	220619.34
24	41310.44	45362.01	36	91068.37	220448.78
25	41336.93	45397.09	35	91056.35	220278.43
26	41363.42	45432.18	34	91044.32	220108.31
27	41389.90	45467.28	33	91032.28	219938.40
28	41416.38	45502.39	32	91020.24	219768.71
29	41442.85	45537.51	31	91008.19	219599.23
30	51469.32	45572.64	30	90996.13	219429.97

Minut.	24. Grad. Sinus.	24. Grad. Tang.	Minut.	65. Grad. Sinus.	65. Grad. Tang.
30	41469.32	45572.64	30	90996.13	219429.97
31	41495.79	45607.77	29	90984.06	219260.93
32	41522.26	45642.91	28	90971.99	219092.10
33	41548.72	45678.06	27	90959.90	218923.49
34	41575.17	45713.22	26	90947.81	218755.10
35	41601.63	45748.39	25	90935.71	218586.91
36	41628.08	45783.57	24	90923.61	218418.94
37	41654.53	45818.76	23	90911.50	218251.19
38	41680.97	45853.96	22	90899.38	218083.64
39	41707.41	45889.17	21	90887.25	217916.31
40	41733.85	45924.39	20	90875.11	217749.20
41	41760.28	45959.62	19	90862.97	217582.29
42	41786.71	45994.86	18	90850.82	217415.59
43	41813.13	46030.11	17	90838.66	217249.11
44	41839.55	46065.37	16	90826.49	217082.83
45	41865.97	46100.64	15	90814.32	216916.77
46	41892.39	46135.91	14	90802.14	216750.91
47	41918.80	46171.19	13	90789.95	216585.27
48	41945.21	46206.48	12	90777.75	216419.83
49	41971.61	46241.78	11	90765.54	216254.60
50	41998.01	46277.09	10	90753.33	216089.58
51	42024.41	46312.42	9	50741.11	215924.7[illegible]
52	42050.80	46347.76	8	90728.88	215760.1[illegible]
53	42077.19	46383.11	7	90716.64	215595.7[illegible]
54	42103.58	46418.46	6	90704.40	215431.5[illegible]
55	42129.96	46453.82	5	90692.15	215267.5[illegible]
56	42156.34	46489.19	4	90679.89	215103.7[illegible]
57	42182.72	46524.57	3	90667.62	214940.2[illegible]
58	42209.09	46559.96	2	90655.35	214776.8[illegible]
59	42235.46	46595.36	1	90643.07	214613.6[illegible]
60	42261.83	46630.77	0	90630.78	214450.6[illegible]

Minut.	25. Grad. Sinus.	Tang.	Minut.	64. Grad. Sinus.	Tang.
0	42261.83	46630.77	60	90630.78	214450.69
1	42288.19	46666.19	59	90618.48	214287.93
2	42314.55	46701.62	58	90606.18	214125.37
3	42340.90	46737.06	57	90593.86	213963.01
4	42367.25	46772.51	56	90581.54	213800.85
5	42393.60	46807.97	55	90569.21	213638.89
6	42419.94	46843.43	54	90556.88	213477.14
7	42446.28	46878.90	53	90544.54	213315.59
8	42472.62	46914.38	52	90532.19	213154.23
9	42498.95	46949.88	51	90519.83	212993.08
10	42525.28	46985.39	50	90507.46	212832.13
11	42551.61	47020.90	49	90495.09	212671.37
12	42577.93	47056.43	48	90482.71	212510.82
13	42604.25	47091.96	47	90470.32	212350.46
14	42630.56	47127.51	46	90457.92	212190.30
15	42656.87	47163.06	45	90445.51	212030.34
16	42683.18	47198.63	44	90433.10	211870.57
17	42709.49	47234.20	43	90420.68	211711.01
18	42735.79	47269.78	42	90408.25	211551.64
19	42762.09	47305.38	41	90395.82	211392.46
20	42788.38	47340.98	40	90383.38	211233.48
21	42814.67	47376.59	39	90370.93	211074.70
22	42840.95	47412.22	38	90358.47	210916.11
23	42867.23	47447.85	37	90346.00	210757.71
24	42893.51	47483.49	36	90333.53	210599.51
25	42919.79	47519.14	35	90321.05	210441.50
26	42946.06	47554.81	34	90308.56	210283.69
27	42972.33	47590.48	33	90296.06	210126.07
28	42998.59	47626.16	32	90283.56	209968.64
29	43024.85	47661.85	31	90271.05	209811.40
30	43051.11	47697.55	30	90258.53	209654.36

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Minut.	25. Grad. Sinus.	Tang.	Minut.	64. Grad. Sinus.	Tang.
30	43051.11	47697.55	30	90258.53	209654.36
31	43077.36	47733.26	29	90246.00	209497.51
32	43103.61	47768.99	28	90233.47	209340.84
33	43129.86	47804.72	27	90220.93	209184.37
34	43156.10	47840.46	26	90208.38	209028.09
35	43182.34	47876.21	25	90195.92	208872.00
36	43208.57	47911.97	24	90183.25	208716.10
37	43234.81	47947.74	23	90170.68	208560.39
38	43261.03	47983.52	22	90158.10	208404.86
39	43287.26	48019.32	21	90145.51	208249.53
40	43313.48	48055.12	20	90132.92	208094.38
41	43339.70	48090.93	19	90120.31	207939.42
42	43365.91	48126.75	18	90107.70	207784.65
43	43392.12	48162.58	17	90095.08	207630.07
44	43418.32	48198.42	16	90082.45	207475.67
45	43444.53	48234.27	15	90069.82	207321.46
46	43470.72	48270.14	14	90057.18	207167.43
47	43496.92	48306.01	13	90044.53	207013.59
48	43523.11	48341.89	12	90031.87	206859.93
49	43549.30	48377.78	11	90019.21	206706.46
50	43575.48	48413.68	10	90006.54	206553.18
51	43601.66	48449.59	9	89993.86	206400.08
52	43627.84	48485.52	8	89981.17	206247.16
53	43654.01	48521.45	7	89968.48	206094.42
54	43680.18	48557.39	6	89955.78	205941.87
55	43706.34	48593.34	5	89943.07	205789.50
56	43732.51	48629.31	4	89930.35	205637.32
57	43758.66	48665.28	3	89917.63	205485.31
58	43784.82	48701.26	2	89904.89	205333.49
59	43810.97	48737.26	1	89892.15	205181.84
60	43837.11	48773.26	0	89879.40	205030.38

Minut.	26. Grad. Sinus.	26. Grad. Tang.	Minut.	63. Grad. Sinus.	63. Grad. Tang.
0	43837.11	48773.26	60	89879.40	205030.38
1	43863.26	48809.27	59	89866.65	204879.10
2	43889.40	48845.30	58	89853.89	204728.00
3	43915.53	48881.33	57	89841.12	204577.08
4	43941.66	48917.37	56	89828.34	204426.34
5	43967.79	48953.43	55	89815.55	204275.78
6	43993.92	48989.49	54	89802.76	204125.40
7	44020.04	49025.57	53	89789.96	203975.19
8	44046.15	49061.66	52	89777.15	203825.17
9	44072.27	49097.75	51	89764.33	203675.32
10	44098.38	49133.86	50	89751.51	203525.65
11	44124.48	49169.97	49	89738.68	203376.15
12	44150.58	49206.10	48	89725.84	203226.83
13	44176.68	49242.24	47	89712.99	203077.69
14	44202.78	49278.38	46	89700.14	202928.73
15	44228.87	49314.54	45	89687.27	202779.94
16	44254.96	49350.71	44	89674.40	202631.33
17	44281.04	49386.89	43	89661.52	202482.89
18	44307.12	49423.08	42	89648.64	202334.62
19	44333.19	49459.28	41	89635.75	202186.53
20	44359.27	49495.49	40	89622.85	202038.62
21	44385.34	49531.71	39	89609.94	201890.88
22	44411.40	49567.94	38	89597.03	201743.31
23	44437.46	49604.18	37	89584.11	201595.92
24	44463.52	49640.43	36	89571.18	201448.69
25	44489.57	49676.69	35	89558.24	201301.64
26	44515.62	49712.97	34	89545.29	201154.77
27	44541.67	49749.25	33	89532.34	201008.06
28	44567.71	49785.54	32	89519.38	200861.53
29	44593.75	49821.85	31	89506.41	200715.16
30	44619.78	49858.16	30	89493.44	200568.97

N. 264.

Minut.	26. Grad.		Minut.	63. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
30	44619.78	49858.16	30	89493.44	200568.97
31	44645.81	49894.49	29	89480.45	200422.95
32	44671.84	49930.82	28	89467.46	200277.10
33	44697.86	49967.17	27	89454.46	200131.42
34	44723.88	50003.52	26	89441.46	199985.90
35	44749.90	50039 89	25	89428.44	199840.56
36	44775.91	50076.27	24	89415.42	199695.39
37	44801.92	50112.66	23	89402.39	199550.38
38	44827.92	50149.06	22	89389.36	199405.54
39	44853.92	50185.47	21	89376.32	199260.87
40	44879.92	50221.89	20	89363.26	199116.37
41	44905.91	50258.32	19	89350.21	198972.04
42	44931.90	50294.76	18	89337.14	198827.87
43	44957.89	50331.21	17	89324.06	198683.87
44	44983.87	50367.67	16	89310 98	198540.03
45	45009 85	50404.15	15	89297.88	198396.36
46	45035.82	50440.63	14	89284.80	198252.86
47	45061.79	50477.13	13	89271.69	198109.52
48	45087.76	50513.63	12	89258.58	197966.35
49	45113.72	50550.15	11	89245.46	197823.34
50	45139 68	50586.68	10	89232.34	197680.50
51	45165.63	50623.22	9	89219.20	197537.82
52	45191.58	50659.77	8	89206.06	197395.31
53	45217.53	50696.33	7	89192.91	197252.96
54	45243.47	50732.90	6	89179.75	197110.77
55	45269.41	50769.48	5	89166.59	196968.74
56	45295.35	50806.07	4	89153.42	196826.88
57	45321.28	50842.67	3	89140.24	196685.18
58	45347.21	50879.28	2	89127.05	196543.64
59	45373.13	50915.91	1	89113.85	196402.27
60	45399.05	50952.54	0	89100.65	196261.05

Minut.	27. Grad. Sinus.	Tang.	Minut.	62. Grad. Sinus.	Tang.
0	45399.05	50952.54	60	89100.65	19626[illegible].05
1	45424.97	50989.19	59	89087.44	196120.00
2	45450.88	51025.85	58	89074.22	195979.10
3	45476.79	51062.52	57	89061.00	195838.37
4	45502.69	51099.19	56	89047.77	195697.80
5	45528.59	51135.88	55	89034.53	195557.39
6	45554.49	51172.59	54	89021.28	195417.13
7	45580.38	51209.30	53	89008.02	195277.04
8	45606.27	51246.02	52	88994.76	195137.11
9	45632.16	51282.75	51	88981.49	194997.33
10	45658.04	51319.50	50	88968.21	194857.72
11	45683.92	51356.25	49	88954.93	194718.26
12	45709.79	51393.02	48	88941.64	194578.96
13	45735.66	51429.80	47	88928.34	194439.81
14	45761.53	51466.58	46	88915.03	194300.83
5	45787.39	51503.38	45	88901.71	194162.00
6	45813.25	51540.19	44	88888.39	194023.33
7	45839.10	51577.02	43	88875.06	193884.81
8	45864.95	51613.85	42	88871.72	193746.45
9	45890.80	51650.69	41	88848.37	193608.25
0	45916.64	51687.55	40	88835.02	193470.20
1	45942.48	51724.41	39	88821.66	193332.31
2	45968.32	51761.29	38	88808.30	193194.57
3	45994.15	51798.18	37	88794.92	193056.98
4	46019.98	51835.08	36	88781.54	192919.56
5	46045.80	51871.99	35	88768.15	192782.28
6	46071.62	51908.91	34	88754.75	192645.16
7	46097.44	51945.84	33	88741.34	192508.19
8	46123.25	51982.78	32	88727.93	192371.38
9	46149.06	52019.74	31	88714.51	192234.72
0	46174.86	52056.70	30	88701.08	192098.21

Minut.	27. Grad. Sinus.	27. Grad. Tang.	Minut.	62. Grad. Sinus.	62. Grad. Tang.
30	46174.86	52056.70	30	88701.08	192098.21
31	46200.66	52093.68	29	88687.64	191961.86
32	46226.46	52130.67	28	88674.20	191825.65
33	46252.25	52167.67	27	88660.75	191689.60
34	46278.04	52204.68	26	88647.30	191553.70
35	46303.82	52241.70	25	88633.83	191417.95
36	46329.60	52278.74	24	88620.36	191282.36
37	46355.38	52315.78	23	88606.88	191146.91
38	46381.15	52352.84	22	88593.39	191011.62
39	46406.92	52389.90	21	88579.89	190876.47
40	46432.69	52426.98	20	88566.39	190741.47
41	46458.45	52464.07	19	88552.88	190606.63
42	46484.20	52501.17	18	88539.36	190471.93
43	46509.96	52538.29	17	88525.83	190337.38
44	46535.71	52575.41	16	88512.30	190202.99
45	46561.45	52612.54	15	88498.76	190068.74
46	46587.19	52649.66	14	88485.22	189934.64
47	46612.93	52686.85	13	88471.66	189800.68
48	46638.66	52724.02	12	88458.10	189666.88
49	46664.39	52761.20	11	88444.53	189533.22
50	46690.12	52798.39	10	88430.95	189399.71
51	46715.84	52835.59	9	88417.36	189266.34
52	46741.56	52872.81	8	88403.77	189133.13
53	46767.27	52910.04	7	88390.17	189000.06
54	46792.98	52947.27	6	88376.56	188867.13
55	46818.69	52984.52	5	88362.95	188734.36
56	46844.39	53021.78	4	88349.32	188601.72
57	46870.09	53059.06	3	88335.69	188469.24
58	46895.78	53096.34	2	88322.06	188336.90
59	46921.47	53133.64	1	88308.41	188204.70
60	46947.16	53270.94	0	88294.76	188072.65

Minut.	28. Grad. Sinus.	28. Grad. Tang.	Minut.	61. Grad. Sinus.	61. Grad. Tang.
0	46947.16	53170.94	60	88294.76	188072.65
1	46972.84	53208.26	59	88281.10	187940.74
2	46998.52	53245.59	58	88267.43	187808.98
3	47024.19	53282.93	57	88253.76	187677.36
4	47049.86	53320.29	56	88240.07	187545.88
5	47075.53	53357.65	55	88226.38	187414.55
6	47101.19	53395.03	54	88212.69	187283.36
7	47126.85	53432.42	53	88198.98	187152.31
8	47152.50	53469.82	52	88185.27	187021.41
9	47178.15	53507.23	51	88171.55	186890.64
10	47203.80	53544.65	50	88157.82	186760.03
11	47229.44	53582.08	49	88144.09	186629.55
12	47255.08	53619.53	48	88130.35	186499.21
13	47280.71	53656.99	47	88116.60	186369.02
14	47306.34	53694.46	46	88102.84	186238.96
15	47331.97	53731.94	45	88089.07	186109.05
16	47357.59	53769.43	44	88075.30	185979.28
17	47383.21	53806.94	43	88061.52	185849.65
18	47408.82	53844.45	42	88047.73	185720.15
19	47434.43	53881.98	41	88033.94	185590.80
20	47460.04	53919.52	40	88020.14	185461.59
21	47485.64	53957.07	39	88006.33	185332.52
22	47511.24	53994.64	38	87992.51	185203.58
23	47536.83	54032.21	37	87978.69	185074.79
24	47562.42	54069.80	36	87964 86	184946.13
25	47588.01	54107.40	35	87951.02	184817 61
26	47613.59	54145.01	34	87937.17	184689.23
27	47639.17	54182.63	33	87923.32	184560.99
28	47664.74	54220.27	32	87909.46	184432.89
29	47690.31	54257.91	31	87895.59	184304.92
30	47715.88	54295.57	30	87881.71	184177.09

Minut.	28. Grad. Sinus.	28. Grad. Tang.	Minut.	61. Grad. Sinus.	61. Grad. Tang.
30	47715.88	54295.57	30	87881.71	184177.09
31	47741.44	54333.24	29	87867.83	184049.39
32	47767.00	54370.92	28	87853.94	183921.84
33	47792.55	54408.62	27	87840.04	183794.42
34	47818.10	54446.32	26	87826.13	183667.13
35	47843.64	54484.04	25	87812.22	183539.99
36	47869.19	54521.77	24	87798.30	183412.97
37	47894.72	54559.51	23	87784.37	183286.10
38	47920.26	54597.26	22	87770.43	183159.36
39	47945.79	54635.03	21	87756.49	183032.75
40	47971.31	54672.81	20	87742.54	182906.28
41	47996.83	54710.60	19	87728.58	182779.94
42	48022.35	54748.40	18	87714.62	182653.74
43	48047.86	54786.21	17	87700.64	182527.67
44	48073.37	54824.04	16	87686.66	182401.73
45	48098.88	54861.88	15	87672.68	182275.93
46	48124.38	54899.73	14	87658.68	182150.26
47	48149.88	54937.59	13	87644.68	182024.73
48	48175.37	54975.46	12	87630.67	181899.32
49	48200.86	55013.35	11	87616.65	181774.05
50	48226.34	55051.25	10	87602.62	181648.92
51	48251.82	55089.16	9	87588.59	181523.91
52	48277.30	55127.08	8	87574.55	181399.04
53	48302.77	55165.02	7	87560.51	181274.30
54	48328.24	55202.97	6	87546.45	181149.69
55	48353.70	55240.93	5	87532.39	181025.21
56	48379.16	55278.90	4	87518.32	180900.86
57	48404.62	55316.88	3	87504.24	180776.64
58	48430.07	55354.88	2	87490.16	180652.56
59	48455.52	55392.88	1	87476.07	180528.60
60	48480.96	55430.90	0	87461.97	180404.78

Minut.	29. Grad.		Minut.	60. Grad.	
	Sinus	Tang.		Sinus.	Tang.
0	48480.96	55430.90	60	87461.97	180404.78
1	48506.40	55468.94	59	87447.86	180281.08
2	48531 84	55506.98	58	87433.75	180157.51
3	48557.27	55545.04	57	87419.63	180034.08
4	48582.70	55583.11	56	87405.50	179910.77
5	48608.12	55621.19	55	87391.37	179787.59
6	48633.54	55659.29	54	87377.22	179664.54
7	48658.95	55697.39	53	87363.07	179541.62
8	48684.36	55735.51	52	87348.91	179418.83
9	48709.77	55773.64	51	87334.75	179296.16
10	48735.17	55811.79	50	87320.58	179173.62
11	48760.57	55849.94	49	87306 40	179051.21
12	48785.97	55888.11	48	87292.21	178928.93
13	48811.36	55926.29	47	87278.01	178806.78
14	48836.74	55964.48	46	87263.81	178684.75
15	48862 12	56002.69	45	87249.60	178562.85
16	48887.50	56040.91	44	87235.38	178441.07
17	48912.88	56079.14	43	87221.16	178319.43
18	48938.24	56117.38	42	87206.93	178197.90
19	48963.61	56155.64	41	87192.69	178067.51
20	48588.97	56193.91	40	87178.44	177955.24
21	49014.33	56232.19	39	87164.19	177834.09
22	49039 68	56270 48	38	87149.93	177713.07
23	49065.03	56308 79	37	87135.66	177592.18
24	49090 37	56347.10	36	87121.38	177471.41
25	49115.72	56385.43	35	87107.10	177350 76
26	49141 05	56423.78	34	87092.81	177230.24
27	49166.38	56462.13	33	87078.51	177109.85
28	49191.71	56500.50	32	87064.20	176989.58
29	49217.04	56538.88	31	87049.89	176869.43
30	49242.36	56577.28	30	87035.57	176749.40

Minut.	29. Grad. Sinus.	Tang.
30	49242.36	56577.28
31	49267.67	56615.68
32	49292.98	56654.10
33	49318.29	56692.53
34	49343.59	56730.98
35	49368.89	56769.44
36	49394.19	56807.91
37	49419.48	56846.39
38	49444.76	56884.88
39	49470.05	56923.39
40	49495.33	56961.91
41	49520.60	57000.45
42	49545.87	57038.99
43	49571.13	57077.55
44	49596.39	57116.12
45	49621.65	57154.71
46	49646.90	57193.31
47	49672.15	57231.92
48	49697.40	57270.54
49	49722.64	57309.18
50	49747.87	57347.83
51	49773.10	57386.49
52	49798.33	57425.16
53	49823.55	57463.85
54	49848.77	57502.55
55	49873.99	57541.26
56	49899.20	57579.99
57	49924.41	57618.73
58	49949.61	57657.48
59	49974.81	57696.25
60	50000.00	57735.03

Minut.	60. Grad. Sinus.	Tang.
30	87035.57	176749.40
29	87021.24	176629.50
28	87006.91	176509.72
27	86992.56	176390.07
26	86978.21	176270.53
25	86963.86	176151.12
24	86949.49	176031.83
23	86935.12	175912.67
22	86920.74	175793.62
21	86906.35	175674.70
20	86891.96	175555.90
19	86877.56	175437.22
18	86863.15	175318.66
17	86884.73	175200.23
16	86834.31	175081.91
15	86819.88	174963.71
14	86805.44	174845.64
13	86791.00	174727.68
12	86776.55	174609.84
11	86762.09	174492.13
10	86747.62	174374.53
9	86733.14	174257.05
8	86718.66	174139.69
7	86704.17	174022.45
6	86689.67	173905.33
5	86675.17	173788.33
4	86660.66	173671.44
3	86646.14	173554.68
2	86631.61	173438.03
1	86617.08	173321.49
0	86602.54	173205.08

Minut.	30. Grad. Sinus.	30. Grad. Tang.	Minut.	59. Grad. Sinus.	59. Grad. Tang.
0	50000.00	57735 03	60	86602.54	173205.08
1	50025.19	57773.82	59	86587.99	173088.78
2	50050.37	57812.62	58	86573.44	172972.60
3	50075.56	57851.44	57	86558 87	172856.54
4	50100.73	57890.27	56	86544.30	172740.60
5	50125.91	57929.11	55	86529.73	172624.77
6	50151.07	57967.97	54	86515.14	172509.05
7	50176.24	58006.84	53	86500.55	172393.46
8	50201.40	58045.73	52	86485.95	172277.97
9	50226.55	58084.62	51	86471.34	172162.61
10	50251.70	58123.53	50	86456.73	172047.36
11	50276.85	58162.45	49	86442 11	171932.22
12	50301.99	58201.39	48	86427.48	171817 20
13	50327.13	58240.34	47	86412 84	171702.30
14	50352.27	58279.30	46	86398.20	171587.51
15	50377.40	58318.28	45	86383.55	171472.83
16	50402.52	58357.27	44	86368.89	171358.27
17	50427.65	58396.27	43	86354.23	171243.82
18	50452.76	58435.28	42	86339.56	171129.49
19	50477.88	58474.31	41	86324.88	171015.27
20	50502.98	58513.35	40	86310.19	170901.16
21	50528.09	58552.41	39	86295.49	170787.17
22	50553 19	58591.48	38	86280.79	170673.29
23	50578.28	58630.56	37	86266.08	170559.53
24	50603.38	58669.65	36	86251.37	170445.87
25	50628.46	58708 76	35	86236.64	170332.33
26	50653.55	58747.88	34	86221.91	170218 90
27	50678.63	58787.02	33	86207.17	170105.59
28	50703.70	58826.17	32	86192.43	169992.38
29	50728.77	58865.33	31	86177.68	169879.29
30	50753.84	58904.50	30	86162.92	169766.31

Minut.	30. Grad. Sinus.	30. Grad. Tang.	Minut.	59. Grad. Sinus.	59. Grad. Tang.
30	50753.84	58904 50	30	86162.92	169766.31
31	50778.90	58943.69	29	86148.15	169653.44
32	50803.96	58982.89	28	86133.37	169540.69
33	50829.01	59022.11	27	86118.59	169428.04
34	50854 06	59061.34	26	86103.80	169315.50
35	50879.10	59100.58	25	86089.00	169203.08
36	50904.14	59139.83	24	86074.20	169090.77
37	50929.18	59179.10	23	86059.39	168978.56
38	50954.21	59218.39	22	86044.57	168866.47
39	50979.24	59257.68	21	86029.75	168754 49
40	51004.26	59296.99	20	86014.91	168642.61
41	51029.28	59336.32	19	86000.07	168530.85
42	51054.29	59375.66	18	95985.23	168419.19
43	51079.30	59415.01	17	85970.37	168307.65
44	51104.31	59454.37	16	85955.51	168196.21
45	51129.31	59493.75	15	85940.64	168084.89
46	51154.31	59533.14	14	85925.76	167973.67
47	51179.30	59572.54	13	85910.88	167862.56
48	51204.29	59611.96	12	85895.99	167751.56
49	51229.27	59651.40	11	85881.09	167640.67
50	51254.25	59690.84	10	85866.18	167529.88
51	51279.22	59730.30	9	85851.27	167419.21
52	51304.20	59769.78	8	85836.35	167308.64
53	51329.16	59809.27	7	85821.42	167198.18
54	51354.12	59848.77	6	85806.49	167087.82
55	51379.08	59888.28	5	85791.55	166977.58
56	51404.04	59927.81	4	85776.60	166867.44
57	51428.99	59967.35	3	85761.64	166757.41
58	51453.93	60006.91	2	85746.68	166647.48
59	51478.87	60046.48	1	85731.71	166537.66
60	51503.81	60086.06	0	85716.73	166427.95

Minut.	31. Grad. Sinus.	31. Grad. Tang.	Minut.	58. Grad. Sinus.	58. Grad. Tang.
0	51503.81	60086.06	60	85716.73	166427.95
1	51528.74	60125.66	59	85701.74	166318.34
2	51553.67	60165.27	58	85686.75	166208.84
3	51578.59	60204.90	57	85671.75	166099.45
4	51603.51	60244.54	56	85656.74	165990.16
5	51628.42	60284.19	55	85641.73	165880.97
6	51653.33	60323.86	54	85626.71	165771.89
7	51678.24	60363.54	53	85611.68	165662.92
8	51703.14	60403.23	52	85596.64	165554.05
9	51728.04	60442.94	51	85581.60	165445.29
10	51752.93	60482.66	50	85566.55	165336.63
11	51777.82	60522 40	49	85551.49	165228.08
12	51802.70	60562.15	48	85536.43	165119.63
13	51827.58	60601.92	47	85521.35	165011.28
14	51852.46	60641.70	46	85506.27	164903.04
15	51877.33	60681.49	45	85491.19	164794.90
16	51902.19	60721.30	44	85476.09	164686.86
17	51927.05	60761.12	43	85460.99	164578.93
18	51951.91	60800.95	42	85445.88	164471.11
19	51976.76	60840.80	41	85430.77	164363.38
20	52001.61	60880.67	40	85415.64	164255.76
21	52026.46	60920.54	39	85400.51	164148.24
22	52051.30	60960.43	38	85385.38	164040.82
23	52076.13	61000.34	37	85370.23	163933.51
24	52100.96	61040.26	36	85355.08	163826.30
25	52125.79	61080.19	35	85339.92	163719.19
26	52150.61	61120.14	34	85324.75	163612.18
27	52175.43	61160.11	33	85309.58	163505.28
28	52200.24	61200.08	32	85294.40	163398.47
29	52225.05	61240.07	31	85279.21	163291.77
30	52249.86	61280.08	30	85264.02	163185.17

Minut.	31. Grad. Sinus.	Tang.	Minut.	58. Grad. Sinus.	Tang.
30	52249.86	61280.08	30	85264.02	163185.17
31	52274.66	61320.10	29	85248.81	163078.67
32	52299.45	61360.13	28	85233.60	162972.27
33	52324.24	61400.18	27	85218.39	162865.97
34	52349.03	61440.24	26	85203.16	162759.77
35	52373.81	61480.32	25	85187.93	162653.68
36	52398.59	61520.41	24	85172.69	162547.68
37	52423.36	61560.52	23	85157.45	162441.78
38	52448.13	61600.64	22	85142.19	162335.99
39	52472.90	61640.77	21	85126.93	162230.29
40	52497.66	61680.92	20	85111.67	162124.69
41	52522.41	61721.08	19	85096.39	162019.20
42	52547.16	61761.26	18	85081.11	161913.80
43	52571.91	61801.45	17	85065.82	161808.50
44	52596.65	61841.66	16	85050.53	161703.30
45	52621.39	61881.88	15	85035.22	161598.20
46	52646.13	61922.11	14	85019.91	161493.20
47	52670.85	61962.36	13	85004.59	161388.29
48	52695.58	62002.63	12	84989.27	161283.49
49	52720.30	62042.91	11	84973.94	161178.78
50	52745.02	62083.20	10	84958.60	161074.17
51	52769.73	62123.51	9	84943.25	160969.66
52	52794.43	62163.83	8	84927.90	160865.25
53	52819.14	62204.17	7	84912.54	160760.94
54	52843.83	62244.52	6	84897.17	160656.72
55	52868.53	62284.88	5	84881.79	160552.60
56	52893.22	62325.26	4	84866.41	160448.58
57	52917.90	62365.66	3	84851.02	160344.65
58	52942.58	62406.07	2	84835.62	160240.82
59	52967.26	62446.50	1	84820.22	160137.09
60	52991.93	62486.94	0	84804.81	160033.45

Minut.	32. Grad. Sinus.	Tang.	Minut.	57. Grad. Sinus.	Tang.
0	52991.93	62486.94	60	84804.81	160033.45
1	53016.59	62527.39	59	84789.39	159929.91
2	53041.25	62567.86	58	84773.97	159826.47
3	53065.91	62608.34	57	84758.53	159723.12
4	53090.56	62648.84	56	84743.09	159619.87
5	53115.21	62689.35	55	84727.65	159516.72
6	53139.86	62729.88	54	84712.19	159413.66
7	53164.50	62770.42	53	84696.73	159310.70
8	53189.13	62810.98	52	84681.26	159207.83
9	53213.76	62851.56	51	84665.79	159105.05
10	53238.39	62892.15	50	84650.30	159002.38
11	53263.01	62932.75	49	84634.81	158899.79
12	53287.63	62973.36	48	84619.32	158797.30
13	53312.24	63013.99	47	84603.81	158694.91
14	53336.85	63054.64	46	84588.30	158592.61
15	53361.45	63095.30	45	84572.78	158490.41
16	53386.05	63135.98	44	84557.26	158388.30
17	53410.64	63176.67	43	84541.72	158286.28
18	53435.23	63217.38	42	84526.18	158184.36
19	53459.82	63258.10	41	84510.63	158082.53
20	53484.40	63298.83	40	84495.08	157980.79
21	53508.98	63339.58	39	84479.52	157879.15
22	53533.55	63380.34	38	84463.95	157777.60
23	53558.12	63421.13	37	84448.37	157676.15
24	53582.68	63461.93	36	84432.79	157574.79
25	53607.24	63502.74	35	84417.20	157473.52
26	53631.79	63543.57	34	84401.60	157372.34
27	53656.34	63584.41	33	84386.00	157271.26
28	53680.88	63625.27	32	84370.39	157170.26
29	53705.42	63666.14	31	84354.77	157069.36
30	53729.96	63707.03	30	84339.14	156968.56

Minut.	32. Grad. Sinus.	Tang.	Minut.	57. Grad. Sinus.	Tang.
30	53729.96	63707.03	30	84339.14	156968.56
31	53754.49	63747.93	29	84323.51	156867.84
32	53779.02	63788.85	28	84307.87	156767.22
33	53803.54	63829 78	27	84292.22	156666.69
34	53828.06	63870.73	26	84276.57	156566.25
35	53852.57	63911.69	25	84260.91	156465.90
36	53877.08	63952.67	24	84245.24	156365.64
37	53901.58	63993.66	23	84229.56	156265.48
38	53926.08	64034.67	22	84213.88	156165.40
39	53950.58	64075.69	21	84198.19	156065.42
40	53975.07	64116.73	20	84182.49	155965.52
41	53999.55	64157.79	19	84166.79	155865.72
42	54024.03	64198.86	18	84151.08	155766.01
43	54048.51	64239.95	17	84135.36	155666.39
44	54072.98	64281.05	16	84119.63	155566.85
45	54097.45	64322.16	15	84103.90	155467.41
46	54121.91	64363.29	14	84088.16	155368.06
47	54146.37	64404.44	13	84072.41	155268.80
48	54170.82	64445.60	12	84056.66	155169.63
49	54195.27	64486.78	11	84040.90	155070.54
50	54219.71	64527.97	10	84025.13	154971.55
51	54244.15	64569.18	9	84009.35	154872.64
52	54268.59	64610.41	8	83993.57	154773.83
53	54293.02	64651.65	7	83977.78	154675.10
54	54317.44	64692.90	6	83961.99	154576.46
55	54341.87	64734.17	5	83946.18	154477.92
56	54366.28	64775.46	4	83930.37	154379.46
57	54390.69	64816.76	3	83914.55	154281.08
58	54415.10	64858.08	2	83898.73	154182.80
59	54439.50	64899.41	1	83882.90	154084 60
60	54463 90	64940.76	0	83867.06	153986.50

Minut.	33. Grad. Sinus.	33. Grad. Tang.	Minut.	56. Grad. Sinus	56. Grad. Tang.
0	54463.90	64940.76	60	83867.06	153986.50
1	54488.30	64982.12	59	83851.21	153888.48
2	54512.69	65023.50	58	83835.36	153790.55
3	54537.07	65064.90	57	83819.50	153692.70
4	54561.45	65106.31	56	83803.63	153594.94
5	54585.83	65147.74	55	83787.75	153497.27
6	54610.20	65189.18	54	83771.87	153399.69
7	54634.56	65230.64	53	83755.98	153302.20
8	54658.92	65272.11	52	83740.08	153204.79
9	54683.28	65313.60	51	83724.18	153107.47
10	54707.63	65355.11	50	83708.27	153010.23
11	54731.98	65396.63	49	83692.36	152913.08
12	54756.32	65438.17	48	83676.43	152816.02
13	54780.66	65479.72	47	83660.50	152719.04
14	54804.99	65521.29	46	83644.56	152622.15
15	54829.32	65562.87	45	83628.62	152525.35
16	54853.65	65604.47	44	83612.66	152428.63
17	54877.97	65646.09	43	83596.70	152332.00
18	54902.28	65687.72	42	83580.74	152235.45
19	54926.59	65729.37	41	83564.76	152138.99
20	54950.90	65771.03	40	83548.78	152042.61
21	54975.20	65812.71	39	83532.79	151946.32
22	54999.50	65954.41	38	83516.80	151850.12
23	55023.79	65896.12	37	83500.80	151754.00
24	55048.07	65937.85	36	83484.79	151657.96
25	55072.36	65979.59	35	83468.77	151562.01
26	55096.63	66021.35	34	83452.75	151466.14
27	55120.91	66063.13	33	83436.72	151370.36
28	55145.18	66104.92	32	83420.68	151274.66
29	55169.44	66146.73	31	83404.63	151179.05
30	55193.70	66188.56	30	83388.58	151083.52

Minut.	33. Grad. Sinus.	Tang	Minut.	56. Grad. Sinus.	Tang.
30	55193.70	66188.56	30	83388.58	151083.52
31	55217.95	66230.40	29	83372.52	150988.07
32	55242.20	66272.26	28	83356.46	150892.71
33	55266.45	66314.13	27	83340.38	150797.43
34	55290.69	66356.02	26	83324.30	150702.24
35	55314.92	66397.92	25	83308.22	150607,13
36	55339.15	66439.84	24	83292,12	150512.10
37	55363.38	66481.78	23	83276.02	150417.16
38	55387.60	66523.73	22	83259.91	150322.90
39	55411.82	66565.70	21	83243.80	150227.52
40	55436.03	66607.69	20	83227.68	150132.82
41	55460.24	66649.69	19	83211.55	150038.20
42	55484.44	66691.71	18	83195.41	159943.67
43	55508.64	66733.75	17	83179.27	149849.22
44	55532.83	66775.80	16	83163.12	149754.86
45	55557.02	66817.87	15	83146.96	149660,58
46	55581.21	66859.95	14	83130 80	149566.38
47	55605.39	66902.05	13	83114.62	149472.26
48	55629.56	66944.17	12	83098.45	149378.22
49	55653.73	66986.30	11	83082.26	149284.26
50	55677.90	67028.45	10	83066.07	149190,38
51	55702.06	67070.62	9	83049.87	149096.59
52	55726.21	67112.80	8	83033.66	149002.88
53	55750.36	67155.00	7	83017.45	148909 25
54	55774.51	67197.21	6	83001.23	148815.70
55	55798.65	67239.44	5	82985.00	148722 23
56	55822.79	67281.69	4	82968.77	148628 84
57	55846.92	67323.96	3	82952 52	148535.53
58	55871.05	67366.24	2	82936.28	148442.30
59	55895.17	67408.54	1	82920.02	148349.16
60	55919.29	67450.85	0	82903.76	148256.10

Minut.	34. Grad. Sinus.	34. Grad. Tang.	Minut.	55. Grad. Sinus.	55. Grad. Tang.
0	55919.29	67450.85	60	82903.76	148256.10
1	55943.40	67493.18	59	82887.49	148163.11
2	55967.51	67535.53	58	82871.21	148470.21
3	55991.62	67577.90	57	82854.93	147977.38
4	56015.71	67620.28	56	82838.64	147884.63
5	56039.81	67662.68	55	82822.34	147791.97
6	56063.90	67705.09	54	82806.03	147699.38
7	56087.98	67747.52	53	82789.72	147606.88
8	56112.06	67789.97	52	82773.40	147514.45
9	56136.14	67832.44	51	82757.07	147422.10
10	56160.21	67874.92	50	82740.74	147329.83
11	56184.28	67917.42	49	82724.40	147237.64
12	56208.34	67959.93	48	82708.06	147145.53
13	56232.39	68002.46	47	82691.70	147053.50
14	56256.44	68045.01	46	82675.34	146961.55
15	56280.49	68087.58	45	82658.97	146869.67
16	56304.53	68130.16	44	82642.60	146777.87
17	56328.57	68172.76	43	82626.22	146686.16
18	56352.60	68215.38	42	82609.83	146594.52
19	56376.63	68258.01	41	82593.43	146502.96
20	56400.66	68300.66	40	82577.03	146411.47
21	56424.67	68343.33	39	82560.62	146320.07
22	56448.69	68386.01	38	82544.20	146228.74
23	56472.70	68428.71	37	82527.78	146137.49
24	56496.70	68471.43	36	82511.35	146046.32
25	56520.70	68514.17	35	82494.91	145955.22
26	56544.69	68556.92	34	82478.47	145864.20
27	56568.68	68599.69	33	82462.02	145773.26
28	56592.67	68642.47	32	82445.56	145682.40
29	56616.65	68685.27	31	82429.09	145591.61
30	56640.62	68728.10	30	82412.62	145500.90

Minut.	34. Grad. Sinus.	34. Grad. Tang.	Minut.	55. Grad. Sinus.	55. Grad. Tang.
30	56640.62	68728.10	30	82412.62	145500.90
31	56664.59	68770.94	29	82396.14	145410.27
32	56688.56	68813.79	28	82379.65	145319.71
33	56712.52	68856.66	27	82363.16	145229.23
34	56736.48	68899.55	26	82346.66	145138.83
35	56760.43	68942.46	25	82330.15	145048.50
36	56784.37	68985.38	24	82313.64	144958.25
37	56808.32	68028.32	23	82297.12	144868.08
38	56832.25	69071.28	22	82280.59	144777.98
39	56856.18	69114.25	21	82264.05	144687.96
40	56880.11	69157.24	20	82247.51	144598.01
41	56904.03	69200.25	19	82230.96	144508.14
42	56927.95	69243.28	18	82214.40	144418.34
43	56951.86	69286.33	17	82197.84	144328.62
44	56975.77	69329.39	16	82181.27	144238.97
45	56999.68	69372.47	15	82164.69	144149.40
46	57023.57	69415.57	14	82148.11	144059.91
47	57047.47	69458.68	13	82131.52	143970.49
48	57071.36	69501.81	12	82114.92	143881.14
49	57095.24	69544.96	11	82098.32	143791.87
50	57119.12	69588.13	10	82081.70	143702.68
51	57142.99	69631.31	9	82065.08	143613.56
52	57166.86	69674.51	8	82048.46	143524.51
53	57190.73	69717.73	7	82031.83	143435.54
54	57214.59	69760.97	6	82015.19	143346.64
55	57238.44	69804.22	5	81998.54	143257.81
56	57262.29	69847.49	4	81981.89	143169.06
57	57286.14	69890.78	3	81965.23	143080.39
58	57309.98	69934.09	2	81948.56	142991.78
59	57333.81	69977.41	1	81931.89	142903.26
60	57357.64	70020.75	0	81915.20	142814.80

Minut.	35. Grad.		Minut.	54. Grad.	
	Sinus.	Tang.		Sinus.	Tang.
0	57357.64	70020.75	60	81915.20	142814.80
1	57381.47	70064.11	59	81898.52	142726.42
2	57405.29	70107.49	58	81881.82	142638.11
3	57429.11	70150.89	57	81865.12	142549.87
4	57452.92	70194.30	56	81848.41	142461.71
5	57476.72	70237.73	55	81831.69	142373.62
6	57500.52	70281.18	54	81814.97	142285.61
7	57524.32	70324.65	53	81798.24	142197.66
8	57548.11	70368.13	52	81781.50	142109.79
9	57571.90	70411.63	51	81764.76	142022.00
10	57595.68	70455.15	50	81748.01	141934.27
11	57619.46	70498.69	49	81731.25	141846.62
12	57643.23	70542.24	48	81714.49	141759.04
13	57667.00	70585.81	47	81697.72	141671.53
14	57690.76	70629.40	46	81680.94	141584.09
15	57714.52	70673.01	45	81664.15	141496.73
16	57738.27	70716.64	44	81647.36	141409.43
17	57762.02	70760.29	43	81630.56	141322.21
18	57785.76	70803.95	42	81613.76	141235.06
19	57809.50	70847.63	41	81596.95	141147.99
20	57533.23	70891.33	40	81580.13	141060.98
21	57856.96	70935.05	39	81563.30	140974.05
22	57880.68	70978.78	38	81546.47	140887.18
23	57904.40	71022.53	37	81529.63	140800.39
24	57928.12	71066.30	36	81512 78	140713.67
25	57951.83	71110.09	35	81495.93	140627.02
26	57975.53	71153.90	34	81479.06	140540.44
27	57999.23	71197.73	33	81462.20	140453.93
28	58022.92	71241.57	32	81445.32	140367.49
29	58046.61	71285.43	31	81428.44	140281.13
30	58070.30	71329.31	30	81411.55	140194.83

Minut.	35. Grad. Sinus.	35. Grad. Tang.	Minut.	54. Grad. Sinus.	54. Grad. Tang.
30	58070.30	71329.31	30	81411.55	140194.83
31	58093.97	71373.21	29	81394.65	140108.60
32	58117.65	71417.13	28	81377.75	140022.45
33	58141.32	71461.06	27	81360.84	139936.36
34	58164.98	71505.51	26	81343.93	139850.34
35	58188.64	71548.98	25	81327.01	139764.40
36	58212.30	71592.97	24	81310.08	139678.52
37	58235.95	71636.98	23	81293.14	139592.72
38	58259.59	71681.01	22	81276.20	139506.98
39	58283.23	71725.05	21	81259.25	139421.31
40	58306.87	71769.11	20	81242.29	139335.71
41	58330.50	71813.19	19	81225.32	139250.18
42	58354.12	71857.29	18	81208.35	139164.73
43	58477.74	71901.41	17	81191.37	139079.34
44	58401.36	71945.55	16	81174.39	138994.01
45	58424.97	71989.70	15	81157.40	138908.76
46	58448.57	72033.87	14	81140.40	138823.58
47	58472.17	72078 06	13	81123.39	138738.46
48	58495.77	72122.27	12	81106.38	138653.42
49	58519.36	72166.50	11	81089.36	138568.44
50	58542.94	72210.75	10	81072.34	138483.53
51	58566.52	72255.02	9	81055.30	138398.69
52	58590.10	72299.31	8	81038.26	138313.92
53	58613.67	72343.61	7	81021.22	138229.22
54	58637.24	72387.93	6	81004.16	138144.58
55	58660.80	72432.27	5	80987.10	138060.01
56	58684.35	72476.63	4	80970.04	137975.51
57	58707.90	72521.01	3	80952.96	137891.08
58	58731.45	72565.41	2	80935.88	137806.72
59	58754.99	72609.83	1	80918.79	137722.42
60	58778.53	72654.26	0	80901.70	137638.19

Minut.	36. Grad. Sinus.	Tang.	Minut.	53. Grad. Sinus.	Tang.
0	58778.53	72654.26	60	80901.70	137638.19
1	58802.06	72698.71	59	80884.60	137554.03
2	58825.58	72743.18	58	80867.49	137469.94
3	58849.10	72787.67	57	80850.37	137385.91
4	58872.62	72832 18	56	80833.25	137301.95
5	58896.13	72876.71	55	80816.12	137218.05
6	58919.64	72921.26	54	80798.99	137134.23
7	58943.14	72965.82	53	80781.85	137050.47
8	58966.63	73010.40	52	80764.70	136966.78
9	58990.12	73055.01	51	80747.54	136883.15
10	59013.61	73099.63	50	80730.38	136799.59
11	59037.09	73144.27	49	80713.21	136716.10
12	59060.57	73188.94	48	80696.03	136632.67
13	59084.04	73233 62	47	80678.85	136549.31
14	59107.50	73278.31	46	80661.66	136466.02
15	59130.96	73323.03	45	80644.46	136382.79
16	59154.42	73367.77	44	80627.26	136299.63
17	59177.87	73412.53	43	80610.05	136216.53
18	59201.32	73457.30	42	80592.83	136133.50
19	59224.76	73502.10	41	80575.60	136050.54
20	59248.19	73546.91	40	80558.37	135967.64
21	59271.63	73591.74	39	80541.13	135884.81
22	59295.05	73636.60	38	80523.89	135802.04
23	59318.47	73681.47	37	80506.64	135719.34
24	59341.89	73726.36	36	80489.38	135636.70
25	59365.30	73771.27	35	80472.11	135554.13
26	59388.71	73816.20	34	80454.84	135471.62
27	59412.11	73861.15	33	80437.56	135389.18
28	59435.50	73906.11	32	80420.28	135306.80
29	59458.89	73951.10	31	80402.99	135224.49
30	59482.28	73996.11	30	80385.69	135142.24

Minut.	36. Grad. Sinus.	36. Grad. Tang.	Minut.	53 Grad. Sinus.	53 Grad. Tang.
30	59482.28	73996.11	30	80385.69	135142.24
31	59505.66	74041.14	29	80368.38	135060.06
32	59529.03	74086.18	28	80351.07	134977.94
33	59552.40	74131.24	27	80333.75	134895.89
34	59575.77	74176.33	26	80316.42	134813.90
35	59599.13	74221.43	25	80299.09	134731.97
36	59622.49	74266.55	24	80281.75	134650.11
37	59645.84	74311.70	23	80264.40	134568.32
38	59669.18	74356.86	22	80247.05	134486.58
39	59692.52	74402.04	21	80229.69	134404.92
40	59715.86	74447.24	20	80212.32	134323.31
41	59739.19	74492.46	19	80194.94	134241.77
42	59762.51	74537.70	18	80177.56	134160.29
43	59785.83	74582.96	17	80160.17	134078 88
44	59809.15	74628.24	16	80142.78	133997.53
45	59832.46	74673.54	15	80125.38	133916.24
46	59855.76	74718.86	14	80107.97	133835.02
47	59879.06	74764.20	13	80090.56	133753 86
48	59902.36	74809.56	12	80073.14	133672.76
49	59925.65	74854.94	11	80055.71	133591.72
50	59948.93	74900.33	10	80038.27	133510.75
51	59972.21	74945.75	9	80020.83	133429.84
52	59995.49	74991.19	8	80003.38	133349.00
53	60018.76	75036.65	7	79985.93	133268.22
54	60042.02	75082.12	6	79968.47	133187 49
55	60065.28	75127.62	5	79951.00	133106.84
56	60088.53	75173.14	4	79933.52	133026.24
57	60111.78	75218.67	3	79916.04	132945.71
58	60135.03	75264.23	2	79898.55	132865.24
59	60158.27	75309.81	1	79881.05	132784.83
60	60181.50	75355.40	0	79863.55	132704.48

Minut.	37. Grad. Sinus	37. Grad. Tang.	Minut.	52. Grad. Sinus	52. Grad. Tang.
0	60181.50	75355.40	60	79863.55	132704.48
1	60204.73	75401.02	59	79846.04	132624.20
2	60227.95	75446.66	58	79828.52	132543.97
3	60251.17	75492.32	57	79811.00	132463.81
4	60274.39	75537.99	56	79793.47	132383.71
5	60297.60	75583.69	55	79775.94	132303.68
6	60320.80	75629.41	54	79758.39	132223.70
7	60344.00	75675.14	53	79740.84	132143.79
8	60367.19	75720.90	52	79723.29	132063.93
9	60390.38	75766.68	51	79705.72	131984.14
10	60413.56	75812.48	50	79688.15	131904.41
11	60436.74	75858.29	49	79670.57	131824.74
12	60459.91	75904.13	48	79652.99	131745.13
13	60483.08	75949.99	47	79635.40	131665.59
14	60506.24	75995.87	46	79617.80	131586.10
15	60529.40	76041.77	45	79600.20	131506.68
16	60552.55	76087.69	44	79582.59	131427.31
17	60575.70	76133.63	43	79564.97	131348.01
18	60598.84	76179.59	42	79547.35	131268.76
19	60621.98	76225.57	41	79529.72	131189.58
20	60645.11	76271.57	40	79512.08	131110.46
21	60668.23	76317.59	39	79494.43	131031.40
22	60691.36	76363.63	38	79476.78	130952.39
23	60714.47	76409.69	37	79459.13	130873.45
24	60737.58	76455.77	36	79441.46	130794.57
25	60760.69	76501.88	35	79423.79	130715.75
26	60783.79	76548.00	34	79406.11	130636.99
27	60806.89	76594.14	33	79388.43	130558.28
28	60829.98	76640.31	32	79370.74	130479.64
29	60853.06	76686.49	31	79353.04	13040[illegible]6
30	60876.14	76732.70	30	79335.33	130322.54

Minut.	37. Grad. Sinus.	37. Grad. Tang.	Minut.	52. Grad. Sinus.	52. Grad. Tang.
30	60876.14	76732.70	30	79335.33	130322.54
31	60899.22	76778.93	29	79317.62	130244.07
32	60922.29	76825.17	28	79299.90	130165.67
33	60945.35	76871.44	27	79282.18	130087.32
34	60968.41	76917.73	26	79264.45	130009.04
35	60991.47	76964.04	25	79246.71	129930.81
36	61014.52	77010.37	24	79228.96	129852.65
37	61037.56	77056.72	23	79211.21	129774.54
38	61060.60	77103.09	22	79193.45	129696.49
39	61083.63	77149.48	21	79175.69	129618.50
40	61106.66	77195.89	20	79157.92	129540.57
41	61129.69	77242.33	19	79140.14	129462.69
42	61152.70	77288.79	18	79122.35	129384.88
43	61175.72	77335.26	17	79104.56	129307.12
44	61198.73	77381.75	16	79086.76	129229.43
45	61221.73	77428.27	15	79068.69	129151.79
46	61244.73	77474.81	14	79051.15	129074.21
47	61267.72	77521.37	13	79033.33	128996.69
48	61290.71	77567.95	12	79015.50	128919.22
49	61313.69	77614.55	11	78997.67	128841.82
50	61336.66	77661.17	10	78979.83	128764.47
51	61359.64	77707.82	9	78961.98	128687.18
52	61382.60	77754.48	8	78944.13	128609.95
53	61405.56	77801.17	7	78926.27	128532.77
54	61428.52	77847.88	6	78908.41	128455.66
55	61451.46	77894.60	5	78890.54	128378.60
56	61474.42	77941.35	4	78872.66	128301.60
57	61497.36	77988.12	3	78854.77	128224.66
58	61520.29	78034.92	2	78836.88	128147.76
59	61543.22	78081.73	1	78818.98	128070.93
60	61566.15	78128.56	0	78801.08	127994.16

Minut.	38. Grad. Sinus.	Tang.	Minut.	51. Grad. Sinus.	Tang.
0	61566.15	78128.56	60	78801.08	127994 16
1	61589.07	78175.42	59	78783.16	127917.45
2	61611.98	78222.29	58	78765.24	127840.79
3	61634.89	78269.19	57	78747.32	127764.19
4	61657.79	78316.11	56	78729.39	127687.64
5	61680.69	78363.05	55	78711.45	127611.16
6	61703.59	78410.02	54	78693.50	127534.73
7	61726.48	78457.00	53	78675.55	127458.36
8	61749.36	78504.00	52	78657.59	127382.04
9	61772.24	78551.03	51	78639.63	127305 78
10	61795.11	78598.08	50	78621.65	127229.57
11	61817.98	78645.15	49	78603 67	127153.42
12	61840.84	78692.24	48	78585.69	127077.33
13	61863 70	78739.35	47	78567.70	127001.30
14	61886.55	78786.49	46	78549.70	126925.32
15	61909.39	78833.64	45	78531.69	126849.39
16	61932.24	78880.82	44	78513.68	126773.53
17	61955.07	78928.02	43	78495.66	126697.72
18	61977.90	78975.24	42	78477.64	126621.96
19	62000.73	79022.48	41	78459.61	126546.26
20	62023.55	79069.75	40	78441.57	126470 62
21	62046.36	79117.03	39	78423.52	126395.03
22	62069.17	79164.34	38	78405.47	126319.50
23	62091.98	79211.67	37	78387.41	126244.02
24	62114.78	79259.02	36	78369.35	126168.60
25	62137.57	79306.40	35	78351.27	126093.23
26	62160.36	79353.79	34	78333.20	126017.92
27	62183.14	79401.21	33	78315.11	125942.67
28	62205.92	79448.65	32	78297.02	125867.47
29	62228.70	79496.11	31	78278.92	125792.32
30	62251.46	79543.59	30	78260.82	125717.23

Minut.	38. Grad. Sinus.	Tang.	Minut.	51. Grad. Sinus.	Tang.
30	62251.46	79543.59	30	78260.82	125717.23
31	62274.23	79591.10	29	78242.70	125642.19
32	62296.98	79638.62	28	78224.59	125567.21
33	62319.73	79686.17	27	78206.46	125492.29
34	62342.48	79733.74	26	78188.33	125417.42
35	62365.22	79781.34	25	78170.19	125342.60
36	62387.96	79828.95	24	78152.05	125267.84
37	62410.69	79876.59	23	78133.90	125193.13
38	62433.42	79924.25	22	78115.74	125118.48
39	62456.14	79971.93	21	78097.57	125043.88
40	62478.85	80019.63	20	78079.40	124969.33
41	62501.56	80067.36	19	78061.22	124894.84
42	62524.27	80115.11	18	78043.04	124820.40
43	62546.96	80162.88	17	78024.85	124746.02
44	62569.66	80210.67	16	78006.65	124671.69
45	62592.35	80258.48	15	77988.45	124597.42
46	62615.03	80306.32	14	77970.24	124523.20
47	62637.71	80354.18	13	77952.02	124449.03
48	62660.38	80402.06	12	77933.80	124374.92
49	62683.05	80449.97	11	77915.57	124300.86
50	62705.71	80497.90	10	77897.33	124226.85
51	62728.37	80545.85	9	77879.08	124152.90
52	62751.02	80593.82	8	77860.83	124079.00
53	62773.66	80641.81	7	77842.58	124005.15
54	62796.31	80689.83	6	77824.31	123931.36
55	62818.94	80737.87	5	77806.04	123857.62
56	62841.57	80785.93	4	77787.77	123783.93
57	62864.20	80834.01	3	77769.49	123710.30
58	62886.82	80882.12	2	77751.20	123636.72
59	62909.43	80930.25	1	77732.90	123563.19
60	62932.04	80978.40	0	77714.60	123489.72

Minut.	39. Grad. Sinus	Tang.	Minut.	50. Grad. Sinus	Tang.
0	62932.04	80978.40	60	77714.60	123489.72
1	62954.64	81026.58	59	77696.29	123416.29
2	62977.24	81074.78	58	77677.97	123342.92
3	62999.83	81123.00	57	77659.65	123269.61
4	63022.42	81171 24	56	77641.32	123196.34
5	63045.00	81219.51	55	77622 98	123123.13
6	63067.58	81267.80	54	77604.64	123049.97
7	63090.15	81316.11	53	77586.29	122976.87
8	63112.72	81364.44	52	77567.94	122903.81
9	63135.28	81412.80	51	77549.57	122830.81
10	63157.84	81461.18	50	77531.21	122757.86
11	63180.39	81509.58	49	77512.83	122684.96
12	63202.93	81558 01	48	77494.45	122612.11
13	63225.47	81606.46	47	77476.06	122539.32
14	63248.00	81654.93	46	77457.67	122466.58
15	63270.53	81703.43	45	77439.26	122393.89
16	63293.06	81751.95	44	77420.86	122321.25
17	63315.57	81800.49	43	77402.44	122248.66
18	63338.09	81849.05	42	77384.02	122176.13
19	63360.59	81897.64	41	77365.59	122103.64
20	63383.10	81946.25	40	77347.16	122031.21
21	63405.59	81994.88	39	77328.72	121958.83
22	63428.08	82043.54	38	77310.27	121886.50
23	63450.57	82092.22	37	77291.82	121814.22
24	63473.05	82140 93	36	77273.36	121741.99
25	63495.53	82189.65	35	77254.89	121669.82
26	63518.00	82238.40	34	77236.42	121597.69
27	63540.46	82287.18	33	77217.94	121525.62
28	63562.92	82335.97	32	77199.45	121453.59
29	63585.37	82384.79	31	77180.96	121381.62
30	63607.82	82433.64	30	77162.46	121309.70

Minut.	39. Grad. Sinus.	39. Grad. Tang.	Minut.	50. Grad. Sinus.	50. Grad. Tang.
30	63607.82	82433.64	30	77162.46	121309.70
31	63630.26	82482.51	29	77143.95	121237.83
32	63652.70	82531.40	28	77125.44	121166.01
33	63675.13	82580.31	27	77106.92	121094.24
34	63697.56	82629.25	26	77088.39	121022.52
35	63719.98	82678.21	25	77069.86	120950.85
36	63742.40	82727.19	24	77051.32	120879.23
37	63764.81	82776.20	23	77032.78	120807.67
38	63787.21	82825.23	22	77014.23	120736.15
39	63809.61	82874.29	21	76995.67	120664.68
40	63832.01	82923.37	20	76977.10	120593.27
41	63854.40	82972.47	19	76958.53	120521.90
42	63876.78	83021.60	18	76939.95	120450.58
43	63899.16	83070.75	17	76921.37	120379.31
44	63921.53	83119.92	16	76902.78	120308.10
45	63943.90	83169.12	15	76884.18	120236.93
46	63966.26	83218.34	14	76865.58	120165.81
47	63988.62	83267.59	13	76846.97	120094.75
48	64010.97	83316.86	12	76828.35	120023.73
49	64033.32	83366.15	11	76809.73	119952.76
50	64055.66	83415.47	10	76791.10	119881.84
51	64077.99	83464.81	9	76772.46	119810.97
52	64100.32	83514.18	8	76753.82	119740.15
53	64122.64	83563.57	7	76735.17	119669.38
54	64144.96	83612.98	6	76716.51	119598.66
55	64167.28	83662.42	5	76697.85	119527.99
56	64189.58	83711.88	4	76679.18	119457.36
57	64211.89	83761.36	3	76660.51	119386.79
58	64234.18	83810.87	2	76641.83	119316.26
59	64256.47	83860.40	1	76623.14	119245.79
60	64278.76	83909.96	0	76604.44	119175.36

Minut.	40. Grad. Sinus.	40. Grad. Tang.	Minut.	49. Grad. Sinus.	49. Grad. Tang.
0	64278.76	83909.96	60	76604.44	119175.36
1	64301.04	83959.54	59	76585.74	119104.98
2	64323.32	84009.15	58	76567.03	119034.65
3	64345.59	84058.78	57	76548.32	118964.37
4	64367.85	84108.44	56	76529.60	118894.14
5	64390.11	84158.12	55	76510.87	118823.95
6	64412.36	84207.82	54	76492.14	118753.82
7	64434.61	84257.55	53	76473.40	118683.73
8	64456.85	84307.30	52	76454.65	118613.69
9	64479.09	84357.08	51	76435.90	118543.70
10	64501.32	84406.88	50	76417.14	118473.76
11	64523.55	84456.70	49	76398.37	118403.87
12	64545.77	84506.55	48	76379.60	118334.02
13	64567.98	84556.43	47	76360.82	118264.22
14	64590.19	84606.33	46	76342.04	118194.47
15	64612.40	84656.25	45	76323.25	118124.77
16	64634.60	84706.20	44	76304.45	118055.12
17	64656.79	84756.17	43	76285.64	117985.51
18	64678.98	84806.17	42	76266.83	117915.95
19	64701.16	84856.19	41	76248.01	117846.44
20	64723.34	84906.24	40	76229.19	117776.98
21	64745.51	84956.31	39	76210.36	117707.56
22	64767.67	85006.40	38	76191.52	117638.20
23	64789.83	85056.52	37	76172.68	117568.88
24	64811.99	85106.67	36	76153.83	117499.60
25	64834.14	85156.84	35	76134.97	117430.38
26	64856.28	85207.04	34	76116.11	117361.20
27	64878.42	85257.26	33	76097.24	117292.07
28	64900.55	85307.50	32	76078.37	117222.98
29	64922.68	85357.77	31	76059.49	117153.95
30	64944.80	85408.07	30	76040.60	117084.96

Minut.	40. Grad. Sinus.	Tang.	Minut.	49. Grad. Sinus.	Tang.
30	64944.80	85408.07	30	76040.60	117084.96
31	64966.92	85458.39	29	76021.70	117016.01
32	64989.03	85508.73	28	76002.80	116947.12
33	65011.14	85559.10	27	75983.89	116878.27
34	65033.24	85609.50	26	75964.98	116809.47
35	65055.33	85659.92	25	75946.06	116740.71
36	65077.42	85710.37	24	75927.13	116672.00
37	65099.50	85760.84	23	75908.20	116603.34
38	65121.58	85811.33	22	75889.26	116534.72
39	65143.66	85861.85	21	75870.31	116466.15
40	65165.72	85912.40	20	75851.36	116397.63
41	65187.78	85962.97	19	75832.40	116329.16
42	65209.84	86013.57	18	75813.43	116260.73
43	65231.89	86064.19	17	75794.46	116192.34
44	65253.94	86114.84	16	75775.48	116124.00
45	65275.98	86165.51	15	75756.50	116055.71
46	65298.01	86216.21	14	75737.51	115987.47
47	65320.04	86266.93	13	75718.51	115919.27
48	65342.06	86317.68	12	75699.51	115851.11
49	65364.08	86368.46	11	75680.49	115783.01
50	65386.09	86419.26	10	75661.48	115714.9
51	65408.10	86470.09	9	75642.45	115646.9
52	65430.10	86520.94	8	75623.42	115578.9
53	65452.09	86571.81	7	75604.39	115511.0
54	65474.08	86622.71	6	75585.35	115443.1
55	65496.06	86673.64	5	75566.30	115375.3
56	65518.04	86724.60	4	75547.24	115307.5
57	65540.02	86775.58	3	75528.18	115239.7
58	65561.98	86826.59	2	75509.11	115172.1
59	65583.95	86877.62	1	75490.04	115104.4
60	65605.60	86928.68	0	75470.96	115036.8

Minut.	41. Grad. Sinus.	Tang.	Minut.	48. Grad. Sinus.	Tang.
0	65605.90	86928.68	60	75470.96	115036.84
1	65627.85	86979.76	59	75451.87	114969.28
2	65649.80	87030.87	58	75432.78	114901.76
3	65671.74	87082.00	57	75413.68	114834.29
4	65693.67	87133.16	56	75394.57	114766.87
5	65715.60	87184.35	55	75375.46	114699.49
6	65737.52	87235.56	54	75356.34	114632.15
7	65759.44	87286.80	53	75337.21	114564.86
8	65781.35	87338.06	52	75318.08	114497.62
9	65803.26	87389.35	51	75298 94	114430.41
10	65825.16	87440.67	50	75279.80	114363.26
11	65847.06	87492.01	49	75260.65	114296.15
12	65868.95	87543.38	48	75241.49	114229.08
13	65890.83	87594.78	47	75222.33	114162.06
14	65912.71	87646.20	46	75203.16	114095.08
15	65934 58	87697.65	45	75183.98	114028.15
16	65956.45	87749.12	44	75164.80	113961.26
17	65978.31	87800.62	43	75145.61	113894.41
18	66000.17	87852.15	42	75126.41	113827.61
19	66022.02	87903.70	41	75107.21	113760.85
20	66043.86	87955.28	40	75088.00	113694.14
21	66065.70	88006.89	39	75068.79	113627.47
22	66087.54	88058.52	38	75049.57	113560.85
23	66109.36	88110.18	37	75030.34	113494.27
24	66131.19	88161.86	36	75011.11	113427.73
25	66153.00	88213.57	35	74991.87	113361.24
26	66174.81	88265.31	34	74972.62	113294.79
27	66196.62	88317.07	33	74953.37	113228.39
28	66218.42	88368.86	32	74934.11	113162.03
29	66240.22	88420.68	31	74914.84	113095.71
30	66262.00	88472.53	30	74895.57	113029.44

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Minut.	41. Grad. Sinus.	41. Grad. Tang.	Minut.	48. Grad. Sinus.	48. Grad. Tang.
30	66262.00	88472.53	30	74895.57	113029.44
31	66283.79	88524.40	29	74876.29	112963.21
32	66305.57	88576.30	28	74857.01	112897.02
33	66327.34	88628.22	27	74837.72	112830.88
34	66349.10	88680.17	26	74818.42	112764.78
35	66370.87	88732.15	25	74799.12	112698.72
36	66392.62	88784.16	24	74779.81	112632.71
37	66414.37	88836.20	23	74760.49	112566.74
38	66436.11	88888.26	22	74741.17	112500.81
39	66457.85	88940.34	21	74721.84	112434.93
40	66479.59	88992.45	20	74702.51	112369.09
41	66501.31	89044.59	19	74683.17	112303.29
42	66523.04	89096.75	18	74663.82	112237.54
43	66544.75	89148.94	17	74644.46	112171.83
44	66566.46	89201.16	16	74625.10	112106.16
45	66588.17	89253.41	15	74605.74	112040.53
46	66609.87	89305.69	14	74586.36	111974.95
47	66631.56	89357.99	13	74566.99	111909.41
48	66653.25	89410.32	12	74547.60	111843.91
49	66674.93	89462.68	11	74528.21	111778.46
50	66696.61	86515.06	10	74508.81	111713.05
51	66718.28	86567.47	9	74489.41	111647.68
52	66739.94	89619.91	8	74469.99	111582.35
53	66761.60	89672.38	7	74450.58	111517.06
54	66783.26	89724.87	6	74431.15	111451.82
55	66804.90	89777.39	5	74411.72	111386.62
56	66826.55	89829.94	4	74392.29	111321.46
57	66848.18	89882.52	3	74372.85	111256.35
58	66869.81	89935.12	2	74353.40	111191.27
59	66891.44	89987.75	1	74333.94	111126.24
60	66913.06	90040.41	0	74314.48	111061.25

Minut.	42. Grad. Sinus.	42. Grad. Tang.	Minut.	47. Grad. Sinus.	47. Grad. Tang.
0	66913.06	90040.41	60	74314.48	111061.25
1	66934.67	90093.09	59	74295.01	110996.30
2	66956.28	90145.80	58	74275.54	110931.40
3	66977.89	90198.54	57	75256.06	110866.53
4	66999.48	90251.31	56	74236.57	110801.71
5	67021.08	90304.11	55	74217.08	110736.93
6	67042.66	90356.94	54	74197.58	110672.19
7	67064.24	90409.79	53	74178.08	110607.50
8	67085.82	90462.67	52	74158.57	110542.84
9	67107.39	90515.58	51	74139.05	110478.23
10	67128.95	90568.51	50	74119.53	110413.65
11	67150.51	90621.47	49	74100.00	110349.12
12	67172.06	90674.46	48	74080.46	110284.63
13	67193.61	90727.48	47	74060.92	110220.19
14	67215.15	90780.53	46	74041.37	110155.78
15	67236.68	90833.60	45	74021.81	110091.41
16	67258.21	90886.71	44	74002.25	110027.09
17	67279.73	90939.84	43	73982.68	109962.81
18	67301.25	90993.00	42	73963.11	109898.56
19	67322.76	91046.19	41	73943.53	109834.36
20	67344.27	91099.41	40	73923.94	109770.20
21	67365.77	91152.65	39	73904.35	109706.08
22	67387.27	91205.92	38	73884.75	109642.01
23	67408.76	91259.22	37	73865.15	109577.97
24	67430.24	91312.55	36	73845.53	109513.97
25	67451.72	91365.91	35	73825.92	109450.02
26	67473.19	91419.29	34	73806.29	109386.10
27	67494.66	91472.70	33	73786.66	109322.23
28	67516.12	91526.15	32	73767.02	109258.40
29	67537.57	91579.62	31	73747.38	109194.60
30	67559.02	91633.12	30	73727.73	109130.85

Minut.	42. Grad. Sinus.	Tang.
30	67559.02	91633.12
31	67580.46	91686.65
32	67601.90	91740.20
33	67623.33	91793.79
34	67644.76	91847.40
35	67666.18	91901.04
36	67687.60	91954.71
37	67709.01	92008.41
38	67730.41	92062.14
39	67751.81	92115.90
40	67773.20	92169.68
41	67794.59	92223.50
42	67815.97	92277.34
43	67837.34	92331.22
44	67858.71	92385.12
45	67880.07	92439.05
46	67901.43	92493.01
47	67922.78	92547.00
48	67944.13	92601.01
49	67965.47	92655.06
50	67986.81	92709.14
51	68008.13	92763.24
52	68029.46	92817.38
53	68050.78	92871.54
54	68072.09	92925.73
55	68093.39	92979.96
56	68114.69	93034.21
57	68135.99	93088.49
58	68157.28	93142.80
59	68178.56	93197.14
60	68199.84	93251.51

Minut.	47. Grad. Sinus.	Tang.
30	73727.73	109130.85
29	73708.08	109067.14
28	73688.42	109003.47
27	73668.75	108939.83
26	73649.07	108876.24
25	73629.39	108812.69
24	73609.71	108749.18
23	73590.02	108685.71
22	73570.32	108622.28
21	73550.61	108558.89
20	73530.90	108495.54
19	73511.18	108432.23
18	73491.46	108368.96
17	73471.73	108305.73
16	73451.99	108242.54
15	73432.25	108179.39
14	73412.50	108116.28
13	73392.75	108053.21
12	73372.99	107990.18
11	73353.22	107927.18
10	73333.45	107864.23
9	73313.67	107801.32
8	73293.88	107738.44
7	73274.09	107675.61
6	73254.29	107612.82
5	73234.48	107550.06
4	73214.67	107487.34
3	73194.86	107424.67
2	73175.03	107362.03
1	73155.21	107299.43
0	73135.37	107236.87

Minut.	43. Grad. Sinus.	Tang.	Minut.	46. Grad. Sinus.	Tang.
0	68199.84	93251.51	60	73135.37	107236.87
1	68221.11	93305.91	59	73115.53	107174.35
2	68242.37	93360.34	58	73095.68	107111.87
3	68263.63	93414.79	57	73075.83	107049.43
4	68284.89	93469.28	56	73055.97	106987.02
5	68306.13	93523.80	55	73036.10	106924.66
6	68327.38	93478.34	54	73016.23	106862.33
7	68348.61	93632.92	53	72996.35	106800.04
8	68369.84	93687.53	52	72976.46	106737.79
9	68391.07	93742.16	51	72956.57	106675.58
10	68412.29	93796.83	50	72936.68	106613.41
11	68433.50	93851.52	49	72916.77	106551.28
12	68454.71	93906.25	48	72896.86	106489.18
13	68475.91	93961.01	47	72876.95	106427.13
14	68497.11	94015.79	46	72857.02	106365.11
15	68518.30	94070.61	45	72837.10	106303.13
16	68539.48	94125.45	44	72817.16	106241.19
17	68560.66	94180.33	43	72797.22	106179.29
18	68581.83	94235.23	42	72777.28	106117.42
19	68603.00	94290.17	41	72757.32	106055.60
20	68624.16	94345.13	40	72737.36	105993.81
21	68645.32	94400.13	39	72717.40	105932.06
22	68666.47	94455.16	38	72697.43	105870.34
23	68687.61	94510.21	37	72677.45	105808.67
24	68708.75	94565.30	36	72657.47	105747.03
25	68729.88	94620.42	35	72637.48	105685.44
26	68751.01	94675.56	34	72617.48	105623.88
27	68772.13	94730.74	33	72597.48	105562.35
28	68793.24	94785.95	32	72577.47	105500.87
29	68814.35	94841.19	31	72557.46	105439.42
30	68835.46	94896.46	30	72537.44	105378.01

Minut.	43. Grad. Sinus.	Tang.	Minut.	46. Grad. Sinus.	Tang.
30	68835.46	94896.46	30	72537.44	105378.01
31	68856.55	94951.76	29	72517.41	105316.64
32	68877.65	95007.09	28	72497.38	105255.31
33	68898.73	95062.45	27	72477.34	105194.01
34	68919.81	95117.84	26	72457.29	105132.75
35	68940.89	95173.26	25	72437.24	105071.53
36	68961.95	95228.71	24	72417.18	105010.34
37	68983.02	95284.20	23	72397.12	104949.20
38	69004.07	95339.71	22	72377.05	104888.09
39	69025.12	95395.26	21	72356.98	104827.02
40	69046.17	95450.83	20	72336.90	104765.98
41	69067.21	95506.44	19	72316.81	104704.98
42	69088.24	95562.08	18	72296.71	104644.02
43	69109.27	95617.74	17	72276.61	104583.10
44	69130.29	95673.44	16	72256.51	104522.21
45	69151.31	95729.17	15	72236.40	104461.36
46	69172.32	95784.94	14	72216.28	104400.55
47	69193.32	95840.73	13	72196.15	104339.77
48	69214.32	95896.55	12	72176.02	104279.04
49	69235.31	95952.41	11	72155.89	104218.33
50	69256.30	96008.29	10	72135.74	104157.67
51	69277.28	96064.21	9	72115.59	105097.04
52	69298.25	96120.16	8	72095.44	104036.45
53	69319.22	96176.14	7	72075.28	103975.89
54	69340.18	96232.15	6	72055.11	103915.37
55	69361.14	96288.19	5	72034.94	103854.89
56	69382.09	96344.27	4	72014.76	103794.45
57	69403.04	96400.37	3	71994.57	103734.04
58	69423.98	96456.51	2	71974.38	103673.67
59	69444.91	96512.68	1	71954.18	103613.33
60	69465.84	96568.88	0	71933.98	103553.03

Minut.	44. Grad. Sinus.	44. Grad. Tang.	Minut.	45. Grad. Sinus.	45. Grad. Tang.
0	69465.84	96568.88	60	71933.98	103553.03
1	69486.76	96625.11	59	71913.77	103492.77
2	69507.67	96681.37	58	71893 55	103432.54
3	69528.58	96737.67	57	71873.33	103372.35
4	69549.49	96794.00	56	71853.10	103312.20
5	69570.39	96850.35	55	71932 87	103252.08
6	69591.28	96906.74	54	71812.63	103191.99
7	69612.17	96963.16	53	71792.38	103131.95
8	69633.05	97019.62	52	71772.13	103071.94
9	69653.92	97076.10	51	71751.87	103011.96
10	69674.79	97132.62	50	71731.61	102952.03
11	69695.65	97189.17	49	71711.34	102892.12
12	69716.51	97245.75	48	71691.06	102832.26
13	69737.36	97302.36	47	71670.78	102772.43
14	69758.21	97359.01	46	71650.49	102712.63
15	69779.05	97415.69	45	71630.19	102652.87
16	69799.88	97472.40	44	71609.89	102593.15
17	69820.71	97529.14	43	71589.59	102533.46
18	69841.53	97585.91	42	71569.27	102473 81
19	69862.34	97642.72	41	71548.95	102414.19
20	69883.15	97699.56	40	71528.63	102354.61
21	69903.96	97756.43	39	71508.30	102295.06
22	69924.76	97813.33	38	71487.96	102235.55
23	69945.55	97870.27	37	71467.62	102176.08
24	69966.33	97927.24	36	71447.27	102116.64
25	69987.11	97984.24	35	71426.91	102057.23
26	70007.89	98041.27	34	71406.55	101997.86
27	70028.66	98098.33	33	71386.18	101938.53
28	70049.42	98155.43	32	71365.81	101879.23
29	70070.18	98212.56	31	71345.43	101819 97
30	70090.93	98269.73	30	71325.04	101760.74

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Minut.	44 Grad. Sinus.	44 Grad. Tang.	Minut.	45 Grad. Sinus.	45 Grad. Tang.
30	70090.93	98269.73	30	71325.04	101760.74
31	70111.67	98326.92	29	71304.65	101701.55
32	70132.41	98384.15	28	71284.26	101642.39
33	70153.14	98441.41	27	71263.85	101583.26
34	70173.87	98498.71	26	71243.44	101524.17
35	70194.59	98556.03	25	71223.03	101465.12
36	70215.30	98613.39	24	71202.60	101406.10
37	70236.01	98670.79	23	71182.18	101347.12
38	70256.72	98728.21	22	71161.74	101288.17
39	70277.41	98785.67	21	71141.30	101229.25
40	70298.11	98843.16	20	71120.86	101170.37
41	70318.79	98900.69	19	71100.41	101111 53
42	70339.47	98958.25	18	71079.95	101052.72
43	70260.14	99015.84	17	71059.48	100993.94
44	70380 81	99073.46	16	71039 01	100935.20
45	70401.47	99131.12	15	71018.54	100876.49
46	70422.13	99188.81	14	70998.06	100817.82
47	70442.78	99246.54	13	70977.57	100759.18
48	70463.42	99304.29	12	70957.07	100700.58
49	70484.06	99362.08	11	70936.57	100642.01
50	70504.69	99419.91	10	70916.07	100583.47
51	70525.32	99477.77	9	70895.56	100524 97
52	70545.94	99535.66	8	70875.04	100466.51
53	70566.55	99593.58	7	70854 51	100408.07
54	70587.16	99651 54	6	70833.98	100349.68
55	70607.76	99709.53	5	70813.45	100291.31
56	70628.35	99767.56	4	70792.91	100232.98
57	70648.94	99825.62	3	70772.36	100174.69
58	70669.53	99883.71	2	70751.80	100116 42
59	70690.11	99941.84	1	70731.24	100058.19
60	70710.68	100000.00	0	70710.68	100000.00

